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 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240  
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acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
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<223> Xaa equals any of the twenty naturally occurring L-amino acids

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<212> DNA
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gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
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<213> Homo sapiens

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cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180  
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<211> 552

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<213> Homo sapiens

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<222> (186)

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 <212> DNA  
 <213> Homo sapiens

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 <222> (70)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (126)  
 <223> n equals a,t,g, or c

<220>

&lt;221&gt; SITE

&lt;222&gt; (1860)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 13

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gtcaagtctg	tctaatactaa	ctagcgccct	gctttgcctt	ctcacaatgc	tcactagcca	240
tcattgctcac	ccttctcttc	cagatccact	tcctcatgat	actgtcttct	aactgggctt	300
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&lt;210&gt; 14

&lt;211&gt; 1060

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 14

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1282)  
 <223> n equals a,t,g, or c

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 tactgtatgt tataattctt tataacttag agagagacaa tggctactca aactatgaga 300  
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 tagttttccc ttatatattt acgttttcaa gttttttaat ctcatcatat acatccatac 420  
 tctataaaaat gtttttatatt caaagaactg taaaatccta aacattagtt ttcactattg 480  
 aaattgtttt ttaaagatag gcataaatag ttgtccttag acttattcat acaaatatag 540  
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 cttaaattga atcataactt gcttctgtaa attgcgtaaa gacaacaaac tgatttttagt 1080  
 ttgaaaagtt tatctttttac ttgtaaacct tgtttgccag ttaccttccg aaagctgtgt 1140  
 aaagagttat ttttaacaaa gtcttaacaa tatatgttac ttttttagata ctatagaaaa 1200  
 taataaatat aacctgtaaa ccacaaaaaa aaaaaaaaaa aaactcgagg gggggcccg 1260

taccaatcg csgwgtgatg gngctat

1287

<210> 19  
 <211> 1105  
 <212> DNA  
 <213> Homo sapiens

<400> 19  
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 tgattattat tattcccttc ttaacacaca aagaaggagg ggatccaaaa ataacagtgt 180  
 gccacagttt gaaaggcatt tatttgatct tgtctctaaa tttccatttt acatgtagca 240  
 cttacccggt ggaagtga aaacagtgaa cgctaaaaaag ccctgtgtct ctcgggtggtg 300  
 tctggacaac cctggcaact cggaacatga aggagagaac aagaattccc tgtgcttttc 360  
 cttttcttct tttccaaaca cgtgtgcaga cttcccctgc atttcagccc caccctcttt 420  
 attttactgc ctaatctata aaggaggatt aacagcagca cgctgctttg gcatagagca 480  
 gattctgggt gaggacctgt aggttagagt taatgaatac aattttctag gactgtgagt 540  
 gcatattttt agtccatgc tgggcttcag cgttggctct tgagacagat gaacagactc 600  
 tttgatcaga cttgggtggt gctccaagaa gaacttttct cagaaagtcg ttaggaaaaa 660  
 aaattgtctt ctgttgccct tattcctaag gtgcactcta tagattcaga ttccagataa 720  
 cttgtcctga tctcagtaaa ttaattgcat tgcaacattg agttacacca ctgtggaaag 780  
 aaaaagtact tctgggcagg aacagatcca ctttctcaca aaagagaatg gctgggtgttc 840  
 aagtgtgtgg ttgccatcct ttcctttttg agagtagggg agaggtagtt aaccttcctg 900  
 ggggaggttt ggcctagaca acatcataga cactatatcc cccctggagt taccaaacia 960  
 taaaactgct tcctttgcca aacacaaaaga atggtctgga gttggatatt agcaaacagc 1020  
 aaaccacata aagaagacaa aaaaaaaaaa aaaaaaaaaa ctcgaggggg ggcccgtacc 1080  
 caatcgctcg tgatgtatcg tatac 1105

<210> 20  
 <211> 1089  
 <212> DNA  
 <213> Homo sapiens

<400> 20  
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 gcccaaaagc ccagcttcta taacttggtt atgggtaccg tacatagaag caccaggac 180  
 tgcaatccct tttgtataca agtttctttt ctttctgagc caagtcaaga aacctgaaaa 240  
 ctataaggca ggaaaaaaga agaagattaa grttatccat gatttcatca ctcgggatga 300  
 ccagtgttat tgtactattt atcttaaaag tgtttttcaa atatttttct acaacatcat 360  
 ttttaaatgc ttgcatacat tttatacata aatgtaaact agttaactaa ttcctctatt 420  
 gctggaattt taagatgtct cttaaataa taaacaatat ttcaaatttt gtgattggga 480  
 atgtggattc tagaatatga gtgtcaagg ccaagatttg tctccactgt ttgttaggtg 540  
 aattgcataa actctataaa ctcagtttcc tactttaaaa aacagaagtg tgtcagtgc 600  
 agtgggtgat gcctgtagtc ctgctatttc tagaggcaga ggggagagga tcacttgagt 660  
 ccaggagttt aaagctgtag tgtgccatga tctcacctgt gaatagccac tgcaactccag 720  
 cctagacaac acagtgcagc ctcattctta aaaaagaaaa tagggggcta ggcgtggtgt 780  
 tacgcctgta atcccagcac tttgggaggc tgaggcagg ggatcacgtg gtcaggagtt 840  
 cgagaccagc ctggccaaca tgggtgaaacc ccgtctctac caaaaataca aaaattagct 900  
 ggggtgtggg gtgcatgcct ataattccag ctactcagga ggctgaggca ggagaatcgc 960  
 ttgaaccggg gaggcggtgg ttgcagtgc cgaagatagt gccattgcac tccagcctgg 1020  
 gtgacagggt gagactctgt ctcaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080  
 aaactcgta 1089

<210> 21  
 <211> 2831



<212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (182)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (219)  
 <223> n equals a,t,g, or c

<400> 21

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taggtgagct	gagtataaaa	attggaagca	caattgatga	caccatcagc	aagttccgga	180
gnaagataga	gaagactctc	cagaaagatg	cagcgacana	atkgaggaaa	agaaagcgag	240
aagaggcgaga	tctcccaaag	gtgaattcaa	agatgaagag	gagactgtga	cgacaaagca	300
tattcatatc	acacaggcca	cagagaccac	cacaaccaga	cacaagcgca	cagcaaatcc	360
ttccaaaacc	attgatcttg	gagcagcagc	acattacaca	ggggacaaag	caagtccaga	420
tcagaatgct	tcaacccaca	cacctcagtc	ttcagttaag	acttcagtcg	ctagcagcaa	480
gtcatctggt	gaccttggtg	atctgtttga	tggcaccagc	cagtgcaca	ggaggwtcag	540
ctgattttat	cggaggattt	gctgactttg	gctcagctgc	tgcacagggc	agtttccctt	600
cccaagtaac	agcaacaagt	gggaatggag	actttggtga	ctggagtggc	ttcaaccaag	660
ccccatcagg	ccctgttgct	tccagtggcg	agttcttttg	cagtgcctca	cagccagcgg	720
tagaacttgt	tagtggtctc	caatcagctc	taggcccacc	tcctgctgcc	tcaaattctt	780
cagacctgtt	tgatcttatg	ggctcgtccc	aggcaaccat	gacatcttcc	cagagtatga	840
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ctttgcaaaa	tgtttagcaca	gtgctgcaga	agcctaattc	tctctataat	cagaatacag	960
atatggtcca	gaaatcagtc	agcaaaacct	tgccctctac	ttggtctgac	cccagtgtaa	1020
acatcagcct	agacaactta	ctacctggta	tgcagccttc	caaaccaccag	cagccatcac	1080
tgaataacaat	gattcagcaa	cagaatatgc	agcagcctat	gaatgtgatg	actcaaagtt	1140
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gttttttata	aaaatatata	tttttgtcca	agaaaaaaaa	aagcatacat	atgtgattat	1980
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gacttttccc	atgtcttctg	ctgtaattat	cctgtgcaga	actaggaaga	aatttttttc	2160
aggactgctc	tatggtttcc	tttaaaagaa	aaaaacttct	gtttgttttt	agcagtcatt	2220
atttacaatt	tgacgtgatt	aacttggaac	ggcttccttc	cgtgtttatc	cctgtagcca	2280
tcatttaagt	caggaacagt	cagaaaaata	tttattttat	tttttttttg	ggtgtctgca	2340
aaggtaaaaa	tccattaaaa	ccttaagtta	aatataaatg	ttacaactca	atgtttgctt	2400
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aatatggttc	caatagagga	gttaaatata	tattgttaaa	ggagacctgt	agcagtcaaa	2520
gatttttattg	atttaatgac	aaaggaaaat	aatgaaaatg	tttttgtttt	tctgctgtaa	2580
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tttaccctca	agctgggaat	atttttcaaa	ataaatacta	taatatagat	atcaaatatt	2700

tacctcccca	tggtatgttg	aaaatTTTTT	tattaaattg	ataaaacttt	atttccatta	2760
tattcataat	gttctgttat	acataacatt	aaaatgttca	ttaaaaaaaa	aaaaaaaaaa	2820
ctcgagacta	g					2831

<210> 22  
 <211> 1448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1422)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1434)  
 <223> n equals a,t,g, or c

<400> 22						
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tgatctgtcg	cctgggtggg	ctgggtgttt	ggatgctgtg	tccagcttat	gcttcctata	180
aggctgtgaa	gaccaagaac	attcgtgaat	atgtgcgggtg	gatgatgtac	tggtattgtt	240
ttgcaactct	catggcagca	gagatcggtt	cagacatttt	tatctcctgg	ttccctttct	300
actatgagat	caagatggcg	ttcgtgctgt	ggctgctctc	accctacacc	aagggcgcca	360
gctgctttac	cgcaagtttg	tccacccgtc	cctgtcccg	catgagaagg	agatcgacgc	420
gtacatcgtg	caggccaagg	agcgcagcta	cgagaccgtg	ctcagcttcg	ggaagcgggg	480
cctcaacatt	gccgcctccg	ctgctgtgca	ggctgccacc	aakagtcagg	gggcgctggc	540
cggcaggctg	cggagcttct	ccatgcagga	cctgcgctcc	atctctgacg	cacctgcccc	600
tgccctaccat	gacccccctc	acctggagga	ccagggtgtc	caccggaggc	caccatttgg	660
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ggcagtgccc	cgggcgccag	cccggccccg	agagaarccc	ctaattccga	gccagagcct	780
gcgtgtggtc	aagargaagc	caccggtgct	ggarggcacc	tcgcgctccc	tgaaggttcg	840
gacgargaaa	aagactgtgc	cctcagacgt	ggacagctag	ggtctgctgc	atctgcccc	900
ttcttacctc	gtgccctgca	kggctccagg	gctatttgga	gggaccttgg	gctgcacatc	960
tggcctgcct	gcaccagctg	cctgggcycc	accctcctga	ctcctgctga	tggttaaggg	1020
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ctggggccag	ggttctattt	attgccttgc	tctgccctct	cccttccccg	gttgtgggac	1140
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cacctgggtg	tgttcattcc	ttcctgtcct	tcaaagtact	tgatagcctt	tcataaggcc	1260
tggcacatgt	gtcctgggtg	tgtgtgtgtg	tgttgggtgag	tgagggtcagg	tttgcgagtg	1320
ttttgataaa	taaatacata	aaggggcaaa	aaaaaaaaaa	aaaaaaaaaa	aacaaaaaaa	1380
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaanaaaaaa	1440
aaaaaggg						1448

<210> 23  
 <211> 1211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (131)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (915)  
 <223> n equals a,t,g, or c

<400> 23  
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 caccacagcc tgccctgggac aaccctcctt agccgcagcc ccttccagtt ccctgagggg 120  
 ttctgcccct nccccctctc tgggggcacc aacccccag ggtcctgcat cccaccatgt 180  
 cgatggctgt ggaaaccttt ggcttcttca tggcaactkt ggggctgctg atgctggggg 240  
 tgactctgcc aaacagctac tggcgagtgt ccaactgtgca cgggaacgtc atcaccacca 300  
 acaccatctt cgagaacctc tggtttagct gtgccaccga ctccctgggc gtctacaact 360  
 gctgggagtt cccgtccatg ctggccctct ctgggtatat tcaggcctgc cgggcaactca 420  
 tgatcaccgc catcctcctg ggcttcctcg gcctcttgct argcatakeg ggcttgcgct 480  
 gcaccaacat tgggggcctg gagctctcca ggaaagccaa gctggcggcc amcgaggggg 540  
 ccctccacat tctggcgggt atctgcggga tgggtggcma ctccctggtac gcttcaacat 600  
 cacccgggac ttcttcgacc ccttgtagcc cggaaccaag tacgagytgg gccccgscct 660  
 ctacctgggg tggagcgcc cactgwtctc catcctgggt ggcctctgcc tctgctccgc 720  
 ctgctgctgc ggctctgacg argaccagcc gccagcgccc ggcggsccta ccargctccc 780  
 gtgtccgtga tgcccgtcgc cacctcggac caagaaggcg acagcagctt tggcaaatac 840  
 ggagaaacg cctacgtgta gcarctctgg cccgtgggsc ccgctgtctt cccactgccc 900  
 caaggararg ggacntggcc gggggccatt cccctatagt aacctcaggg gccggccacg 960  
 ccccgctccc gtagccccgc cccggccacg gcccctgtgc ttgcactctc atggccctc 1020  
 caggccaaga amtgtcttg ggaagtgcga tatctcccct ctgaggctgg atccctcatc 1080  
 ttctgacctt gggttctggg ctgtgmaggg gacggtgtcc ccgcacgttt gtattgtgta 1140  
 taaatacatt cattaataaa tgcataattgt gaccgttaaa aaaaaaaaaa aaaaaaaaaa 1200  
 aaaaaactcg a 1211

<210> 24  
 <211> 1060  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (453)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1045)  
 <223> n equals a,t,g, or c

<400> 24  
 gccacttctt ccaaatacag tagatgtgtc tgctgtgtat ttatacaaca tcctgaacta 60  
 cttaacatgc tgtttattta cttgtttgta ttccccatta gaataggctc tgagaaagca 120  
 aagactgtat ctgtcttgct tatcattgta tccctgacag ctgcgccact ggctggcttt 180  
 taataagcac accataaata tttacttgaa atactcattt ttaaaatgaa cagatgaatg 240  
 aatgatagat ggatggtgga tggcattatg tagctaaaaa ttgtgtcctg tctctaccta 300  
 tttttgaaga ccatccttta gtttgcggtt cctgacctgt ttgagggggc tttttttggt 360  
 ccataactct tgtcttttat tcaaattaaa acaccgaaca aaagcacatt cgattattgr 420  
 ccattgrggt ttttattcyg ctgtcagtgat canccycmtg tctaaatccc cygggggtcaa 480  
 acttacatat atctggatag cccttttkga tgacgatggg agtctaattt gtgtgttatg 540  
 tgctcttgaa atgttttgct gtaaagacac tagaactgaa ttttgcttta ttgccaatga 600  
 tgatgaatgt taaaaaaaac aactcagtaa cattcaaacc aatttccaag tttgttcttc 660  
 agccagagga acttgcacac tgactttttg taaaggtagc agattttattg tgttgtaatt 720  
 catcacacat aaaattcacc attttaaagt ttccaattta gtgggtttta gtatgtttac 780  
 agagtcacgc aaccatcacc acagtatcat tgcaggatgt ttttatcatc cctcaaagaa 840  
 atccagaccc acaggaggct gaggcaggag aatcgcttga acccggaagg cggagggttc 900

agtgagtc	cg	agatagcgcc	actgcactcc	agcctagtga	cagagcaaga	ctctgtctca	960
aaaaaaaaa		aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	tcgaagggg	1020
ggccccgtac		ccaatcgcc	ctatnatgag	tcgtattaca			1060

<210> 25  
 <211> 1057  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (348)  
 <223> n equals a,t,g, or c

<400> 25							
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actgtccaga	gccataaatc	agacaaaacc	atacatagca	tgctgaaaaa	cttttgtaat		120
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ctgtatttgt	attctctggg	aatctcagta	ttataaattt	catttcccac	aaattctagc		240
attcatgtaa	ggaaaaacat	ggctaataca	tatcttaaag	gggcaatctt	tcagagcagt		300
ggttttcaaa	gtgtggccgg	acagcattgg	cagcatctta	atctcctnng	gactttgtta		360
aaaatgcaaa	ttctcagccc	caccctagtc	ctactgaatt	gggaaactgg	cgtgggaccc		420
agcagtcttt	gttttaacat	gttctccaag	tgattctgat	gcctgttcaa	acttgggaaa		480
cactttttaga	gcacttgagg	aacctaaaag	atgactgggt	cagcattttg	tgtggttagat		540
aagaaagaaa	ttatcacaaa	aaatcagaaa	tgaacagtga	gagaaaaata	ggaccccaga		600
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ctttagcgca	catgtaaata	gcctgcactt	cctaaatctc	gtgtggcctc	ccatgggttac		720
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taaccatttt	gccacattct	gtaactgttt	agctaaggct	aaattaagtt	taccctatgg		900
attttgtttc	atcttttgtt	tcgtgtatat	actgtttgcc	tttttcataa	aaatcttgga		960
tttgttatat	attgttcctg	ttatttttga	catctttgct	attgtaaata	aattactatt		1020
ttgttttaag	ttaaaaaaaa	aaaaaaaaaa	acwcgta				1057

<210> 26  
 <211> 980  
 <212> DNA  
 <213> Homo sapiens

<400> 26							
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tgaaacatat	cgacccagtg	gtttttaa	attgtcatgc	agcagctgca	acttacatac		240
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aatTTgacag	agagcgaata	gaactgtttt	gcacggaata	tcagaataat	aagaattccc		360
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gcttggaata	tcagataaag	accaatcaac	ttcataggat	gtacagacct	gcataatttg		480
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aagaattttc	cttttgaatt	tataccattc	atcaattttg	acactttaaa	aacgtgtgaa		780
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tatcctattt	tgatcttttt	caagtcttct	gaaaggaagt	agacagtatt	acaccctgaa		900
taataaaggt	gttgtttttc	acaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		960
aaaaaaaaaa	aagggcggcc						980

<210> 27  
 <211> 755  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (748)  
 <223> n equals a,t,g, or c

<400> 27  
 gaattcggca cgagattgtg cacatgtacc ctaaaactta agatgtaata ataataaaat 60  
 aaaataaaaat aaattaaaaa ataaaaataa aaacarattt aatgataggg tacttaatga 120  
 aagtwttggt ggctccttgaa tgacgtattt tacactacat atgtacctac ttttctattc 180  
 tcctcctcag atgggaaagg tctagataaa ctggcctcta tcccgcagct cttctccaca 240  
 atggttaaga acagttcaac acggaggacc agcagtaa atgacctttaaa aagtgtaata 300  
 ataactattg cccaaaataa tcttattaat catagaaaat ggcttctatt cttctgctcc 360  
 ttgttctgtc acacagctgt tgctgtaaaa acacttgttt acagggttcta tgtaattttg 420  
 actcagtcca taatctctcc accctaattt taaaaattat catcagggtg gatgtgctag 480  
 tatactaaga aacatctgtt aatattattt attttcttta tttaatcttt ttcatagatt 540  
 cacttgtttt aaaatatctt aggtttataa tctctttgca aagctcaata aatcatttta 600  
 acagctaaaa ataaaaactt aaaaatgaac tccagataaa tatgaagatt caaaactatg 660  
 tggaatctct gccccctct taatactcac caataaattc tacttcctgt cmaaaaaaaa 720  
 aaaaaaaaaa aaaaaaaaaa aaaaaanaa aaaaa 755

<210> 28  
 <211> 946  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (23)  
 <223> n equals a,t,g, or c

<400> 28  
 tcgcnactat aggggaactg tcnctgcagg tccggtcgga attccgggtc gacccacgcg 60  
 tccggtaaat gttttatgtg ttcgcctact gateccattc gttgcttcta ttgtaaatat 120  
 ttgtcatttg tatttattat ctctgtgttt tccccctaag gcataaaatg gtttactgtg 180  
 ttcatattgaa ccattttact gatctctgtt gtatatTTTT catgccactg ctttgttttc 240  
 tcctcagaag tcgggtagat agcattttcta tcccatccct cacgttattg gaagcatgca 300  
 acagtattta ttgctcaggg tcttctgctt aaaactgagg aagggtccaca ttcttgcaag 360  
 cattgattga gacatttgca caatctaaaa tgtaagcaaa gtagtcatta aaaatacacc 420  
 ctctacttgg gctttatact gcatacaaat ttactcatga gccttccttt gaggaaggat 480  
 gtggatctcc aaataaagat ttagtggtta ttttgagctc tgcatcttaa caagatgac 540  
 tgaacacctc tcctttgtat caataaatag ccctgttatt ctgaagtgaag aggaccaagt 600  
 atagtataat gctgacatct aaaactaaat aaatagaaaa caccaggcca gaactatagt 660  
 catactcaca caaagggaga aattttaaact cgaaccaagc aaaaggcttc acggaaatag 720  
 catggaaaaa caatgcttcc agtggscact tcctaaggag gaacaacccc gtctgatctc 780  
 agaattggca ccacgtgagc ttgctaagtg ataatatctg tttctactac ggatttaggc 840  
 aacaggacct gtacattgtc acattgcatt atttttcttc aagcgttaat aaaagtttta 900

aataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gcggcc

946

<210> 29  
 <211> 971  
 <212> DNA  
 <213> Homo sapiens

<400> 29  
 gcttctatcc atttattcaa gcacatattg gtcacctact gtgtgcctgg cactcatgtc 60  
 acaaagataa gttcctgatt cggtagactt actgagcacc tgctgtgtgc agggagctga 120  
 gctatgggat gggaatggga gtaaacaagg tacttttyac ttttttcttt ttttctctac 180  
 tgctagacgg tgtgggaact tctcactcat tggcttcttt ccacacacacc tgaagagcac 240  
 tgactgtgtg ccgggcacta gtgatacaaa agagtgtgac agttgttcag tctgcatttt 300  
 cgatcatggg ctacatgccg agtgctgggg cacagagatg aacaagatcg gttccttcac 360  
 ttcttcatgc cacaagtgtt tattgagcac ctgtgtgcca ggcctcacag actcccagtt 420  
 ggggtgaaga atgggtgact gagtttgatt ctccctgtac cctcggtcgt ctgagctgtg 480  
 tgcagacaac atccccccac caccacaagag ggagggtagc tcttccgcca ccaggggcaa 540  
 gcacaggctc tgggtggcccc acgccacatg ttagcccccc tggagggggc gccagttgga 600  
 gacggggggt gggtgtccct ggcccactcc cggccccctg tgctttacct ccttgccctt 660  
 gtgtctcagg tgtgttccct gcctgcttga tgaagtgtct ctgttcaagc ctttggtggg 720  
 atcatgtgtt tgggggcttt taggggaccc agctgcaactg gggcactgcc cgtggcctgg 780  
 gtaggacatt tcccagcaag ggctggagga gttgccgtgc cttcagcctg aatcgaatgt 840  
 cagaaccagc cagcgggtgt tcaccctctt ggggataact tgcttagttt ttaataaat 900  
 gttcctggtt ggttttcaca gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960  
 aaaaaaaaaa g 971

<210> 30  
 <211> 1008  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (421)  
 <223> n equals a,t,g, or c

<400> 30  
 gcggcacgag ctggagggtca ctttccaacc agagctgtgc tggagtccag taggtgggag 60  
 gctgtgcttt gagggactaa aggaagcctg tatcttgtgg tgagggttcc acctcacaag 120  
 ttacagactc cagttccatt tggctctagc agcaatgtgg ccacttctgt tgcggttact 180  
 ctttcttcac ctttttcttg ccaaaaataa acttatcttt aaatgaaaac taaattattt 240  
 cttatatttt ggtcctttgt tatagctgag attgggaatt tttctttctt tcttgaatcc 300  
 ttacttccct accctgcctc cccaccaatg gaaatctgtg cttcataagc attttagatt 360  
 ccagaaagct ctttaggtta aactacaacc ctctcacctc aaagaatttg tgggccaggg 420  
 naagtacgtg acttatgtga agtcttgagg ctaattaatg gtagagctgg agttaggaca 480  
 catgtctcac agttcctagt tcgttttgcg ttgatgtgct tgaaattcag ttttgacatt 540  
 aatttttctg gatactactc ccataaaaatg ttctttgaaa aatacttgct tctttctagt 600  
 ttttctcgcc tggtttaaat attgtcctga gtgtgggaac ccataactg tcttgtgggt 660  
 tagaatttag atggaaggat ttggggccct gtctctagta tcataagaca tttaaccttg 720  
 ctgctttttt cttctaggtt cactctttga atttcctgga taagagttct ggagatggca 780  
 gcttatttga cacatggatt ttcttcagat ttgcacttac tgctagctct gctttttatg 840  
 caggagaaaa gccagagtt cactgtgtgt cagaacaact ttctaacaaa catttattaa 900  
 tccagcctct gcctttcatt aaatgtaacc ttttgccctc caaatataag aactccatgc 960  
 cactcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1008

<210> 31

<211> 990  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
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 cattggcgcc ccttcctcag atccctatca tcttgggaaa cagtagccca gaggttcagg 120  
 aagatgttaa cttaaagtgt cgggggtgcc cagtctgttc agcatggctg aaatccacac 180  
 tccgtattct tccttgaaga aactgttatc tttactcaat ggcttcgtgg ctgtgtctgg 240  
 catcatccta gttggcctgg gcattgggtg taaatgtgga ggggcctctc tgacgaatgt 300  
 cctcgggctg tcctccgcat acctccttca cgttggcaac ctgtgcctgg tgatgggatg 360  
 catcasggta ctgcttggct gtgccgggtg gtatggagcg actaaagaga gcagaggcac 420  
 gytcttgttt gttggagatg tggccttggg acacamcttc gtgaccctga ggaagaatta 480  
 cagagggttac aacgagccag acgactattc tacacagtgg aacttggtea tggagaagct 540  
 aaagtgtgtg ggggtgaata actacacaga tttttctggc tcttccttcg aaatgacaac 600  
 gggccacacy taccocagga gttgctgtaa atccatcgga agtgtgtcct gtgacggacg 660  
 cgatgtgtct ccaaacgtca tccaccagaa gggctgtttc cataaactcc taaaaatcac 720  
 caagactcag agcttcaccc tgagtgggag ctctctggga gctgcagtga tacagttgcc 780  
 aggaattctt gccactttgc tgctgtttat caagctgggc tgacacccag gcctggagaa 840  
 gatgagacac ctggggccat ctggctgctg gagattcagt ctcagtttta tttctctgtg 900  
 gcaactcactg cttctggagg ggagactgtt aataaaagat ttgggaaaaa aaaaaaaaaa 960  
 aaaaaaaaaa aaaaaaaaaa aaaaaactcga 990

<210> 32  
 <211> 1131  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
 gaattcggca cgaggcctat gtcacacctg ctgtgtgctt ggggggaatg atcgggatct 60  
 ctgccagctt ctcagccctc ctggagcaga tcctctgtgc aagcggccac tccagtgggt 120  
 tttccggcct ctgtggcgct ctcttcatca cgtttgggat cctgggggca ctggctctcg 180  
 gcccctatgt ggaccggacc aagcacttca ctgaggccac caagattggc ctgtgcctgt 240  
 tctctctggc ctgcgtgccc tttgccctgg tgtcccagct gcagggacag acccttgccc 300  
 tggctgccac ctgctcgctg ctcgggctgt ttggcttctc ggtggggccc gtggccatgg 360  
 agttggcggt cgagtgttcc ttccccgtgg gggagggggc tgccacaggc atgatctttg 420  
 tgctggggca ggccgagggg atactcatca tgctggcaat gacggcactg actgtgcgac 480  
 gytccggagc gtccttgtcc acctgccagc agggggagga tccacttgac tggacagtgt 540  
 ctctgtctgt gatggccggc ctgtgcacct tcttcagctg catcctggcg gtctttcttc 600  
 acaccccata ccggcgccctg caggccgagt ctggggagcc cccctccacc cgtaacgcgc 660  
 tgggcggcgc agactcaggg ccgggtgtgg accgagggg agcaggaagg gctggggctc 720  
 tggggcccag cacggcgact ccggagtgca cggcgagggg ggccctcgta gaggacccca 780  
 gagggcccgg gagccccac ccagcctgcc accgagcgac tccccgtgcg caaggcccag 840  
 cagccaccga cgcgccctcc cgccccggca gactcgcagg cagggtccaa gcgtccaggt 900  
 ttattgacct ggctgggtct cactcctcct tctcctcccc gtgggtgatc acgtagctga 960  
 gcgccttgta gtccaggttg cccgccacat cgatggaggc gaactggaac atctggtcca 1020  
 cctgcgggcg ggggcgaaag ggctccttgc gggctccggg agcgaattac aagcgcgcac 1080  
 ctgcagcggc cccgggtgtg gtttctgcgc cgcgggaggg ggagctgtgc c 1131

<210> 33  
 <211> 1293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1271)

<223> n equals a,t,g, or c

<400> 33

naagganncc aaaccgcaga aagtnacccg tcacgtaaag ggaacaaaag cctggaggta	60
gcgcgcctgc aggtcgacac tagtggatcc aaagaattcg gcacgagacc aaccccaagt	120
gctcctatat ccctccctgt aagagagaaa atcagaagaa tttggaaagt gtcattgaatt	180
ggcaaacagta ctggaaagat gagattgggt cccagccatt tacttgctat tttaatcaac	240
atcaaagacc agatgatgtg cttctgcac gcactcatga tgagattgtc ctctgcatt	300
gcttcctctg gcccttggtg acatttggtg tgggcgttct cattgtggtc ctgaccatct	360
gtgccaaagag cttggcggtc aaggcggaag ccatgnaaga agcgcaagtt ctcttaaagg	420
ggaaggaggc ttgtagaaag caaagtacag aagctgtact catcggcacg cgtccacctg	480
cggaacctgt gtttcctggc gcaggagatg gacagggcca cgacagggtc ctgagaggct	540
catccctcag tggcaacaga aacaggcaca actggaagac ttggaacetc aaagcttgta	600
ttccatctgc ttagcaatg gctaaagggt caagatctta gctgtatgga gtaactatct	660
cagaaaacc tataagaagt tcattttctt tcaaaagtaa cagtatatta tttgtacagt	720
gtagtataca aaccattatg atttatgcta cttaaaaata ttaaaataga gtggtctgtg	780
ttattttcta tttccttttt tatgcttaga acaccagggt ttaaaaaaaa aaaaaargtg	840
aggacatctg ggtctcattt gcttctgcta gggtaaactt ttacttgaca acaaggattc	900
ctgctgaagt ctgaacctta ctgtgtaacc ctgagtttcc actattaaag agtatctttt	960
gacgtctgct tggaaaatga atagtatact ggtaactcag tctccagtca cctctgtgtc	1020
tcttaagcaa gagattctaa aagattggga aaacatatcc tccaamacct gcctttgcct	1080
aaccattatt tttcaccaga ttacttctta agagagggag gtgattctga agaaggcttc	1140
tatctcaaaa agcactgggc ttccttatcc atctgttctt gttgtttttg acggaggttaa	1200
aaaagtttgt gtgcaatata atataaatga tgtgaaggac actcttaaaa aaaaaaaaaa	1260
aaaaaaaaat ngctgcggcc gacaagggaa ttc	1293

<210> 34

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 34

ggcacgagggt cagccagaac atgtcttttca acctgcaatc atcaaagaaa ctgttctattt 60



tcttaggaaa	atcactgttt	agtcttctgg	aggctatgat	ttttgcctta	ctcccaaagc	120
cacggaagaa	cgttgctggt	gaaatagtcc	tcatcacagg	tgctggaagt	ggactcggaa	180
ggctcttagc	cttgcagttt	gcccggctgg	gatctgttct	tgttctctgg	gatatcaata	240
aggaggggaa	tgaggaaaca	tgtaagatgg	ctcgggaagc	tgagaccaca	agagtgcacg	300
cctatacctg	cgattgcagc	caaaaggaag	gagtgtatag	agtagccgac	caggttaaaa	360
aagaagtcgg	cgatgtttcc	atcctaataca	acaatgccgg	aatcgtaaca	ggcaaaaagt	420
tccttgactg	tccagatgag	cttatggaaa	agtcatttga	tgtgaatttc	aaagcacatt	480
tatggactta	taaagccttt	ctacctgcta	tgattgctaa	tgaccatgga	catttggttt	540
gcatttcaag	ttcagctgga	ttaagtggag	taaatgggct	ggcagattac	tgtgcaagta	600
aatttgcagc	ctttgggttt	gctgaatctg	tatttgtaga	aacatttgtc	caaaaacaaa	660
aggggatcaa	aaccacgatt	gtgtgcccct	tttttataaa	aactggaatg	tttgaagggt	720
gtactacagg	ctgtccttct	ctgttgccaa	ttctggaaac	aaaatatgca	gttgaaaaaa	780
tagtagaagc	tattctacaa	gaaaaaatgt	acttgtatat	gccaaaagtt	gttatacttc	840
atgatgtttc	ttaaaaaggt	aattacatca	gcttctatta	cttccctaac	atgccagtct	900
acagttttac	tcccaaattc	caccaggaag	aaagccactt	twaaaaatac	ctgataaatt	960
aaaattcatt	aatttaattc	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa	1014

<210> 35  
 <211> 1222  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (52)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (78)  
 <223> n equals a,t,g, or c

<400> 35						
actnatcttg	aggtgacact	atgagaaggt	acgcctgcag	gtaccgatcc	gnaattcccc	60
ggtcgaccga	cgcgctccng	aatttacaat	ttctgaccat	ccacaacctt	ttgatccact	120
gttaaagaac	tgcataggtg	atttctctaa	aactttggaa	gacccagatt	tgaattgtgag	180
aagagtagcc	ttgggtcacat	ttaattcagc	agcacataac	aagccatcat	taataaggga	240
tctattggat	actgttcttc	cacatcttta	caatgaaaca	aaagttagaa	aggagcttat	300
aagagaggta	gaaatgggtc	cattttaaaca	tacggttgat	gatgggtctg	atattagaaa	360
ggcagcattt	gagtgtatgt	acacacttct	agacagttgt	cttgatagac	ttgatattct	420
tgaattttcta	aatcatgttg	aagatgggtt	gaaggaccat	tatgatatta	agatgctgac	480
atttttaaatg	ttgggtgagac	tgtctaccct	ttgtccaagt	gcagtactgc	agaggttgga	540
ccgacttggt	gagccattac	gtgcaacatg	tacaactaag	gtaaaggcaa	actcagtaaa	600
gcaggagttt	gaaaaacaag	atgaattaaa	gcgatctgcc	atgagagcag	tagcagcact	660
actaaccatt	ccagaagcag	agaagagtcc	actgatgagt	gaattccagt	cacagatcag	720
ttctaaccct	gagctggcgg	ctatctttga	aagtatccag	aaagattcat	catctactaa	780
cttggaatca	atggacacta	gttagatgtt	tgttcaccat	ggggaccatt	acatatgacc	840
atacaatgca	ctgaattgac	aggttaatca	taagacatgg	aaagagaagt	gtctaaaagc	900
ttcaaaatgt	tccacttttt	tttcttctat	ggagactgtt	tgtttggctt	tcttccattg	960
ttgtttttgt	agcattttat	tcagaaatgt	gtatttccat	aatccagagg	ttgtaaaacc	1020
actagtgttt	tagtggttac	agcaacattt	gaaatggaaa	ctaaaagtta	ggatttttatg	1080
gagtatggag	atagggtcca	gtatctattt	accctgtaat	gttttaggatt	aaaatgttaa	1140
aattttgtga	ccatgaattt	ctttctttta	taaattttct	catttaaaaa	tcaaaaaaaa	1200

aaaaaaaaaa aaaaaaactc ga

1222

<210> 36  
<211> 901  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (895)  
<223> n equals a,t,g, or c

<400> 36  
gaattcggca cgagcacttg agaggtgtac aggagagagt taatctttct gcacctctgc 60  
tacctaaaga agaccaatc ttcacatatt tatctaaacy gttaggaagg agtatagatg 120  
acataggtca cctcattcat gaaggcctac agaagaacac ttcctcgtgg gtactgtata 180  
acatggcttc attttacttg agaattaaga atgagccata tcaggtagta gaatgtgcca 240  
tgcgagcact tcatttctct tccaggcaca ataaagacat tgccctggtc aacctggcaa 300  
acgttctaca cagagcacac ttctctgctg atgctgctgt cgtgggtccat gcagctctgg 360  
atgacagtga cttcttcacc agctattaca ctttggggaa tatatatgca atgcttgggg 420  
aatataacca ctcaagtgtc tgttatgacc acgctttgca ggccagacct gggtttgagc 480  
aagctataaa gaggaagcat gctgtcctat gtcagcaaaa actggagcag aaattggagg 540  
ctcagcatag atctctccag cgaacactga atgagttaaa agagtatcaa aagcagcatg 600  
accactacct gagaccagga aatcctagaa aaacataaac tgattcagga ggagcaaadc 660  
ttaagaaata tcattcatga gactcatagt gcaaaaagarg cacaattagg aaatcatcag 720  
atatgccgac tgggtcaacca gcagcatagt ttacattgcc agtgggamca gcctgtwgcg 780  
tatcatcgtg gagatatctt tgaaaatgtg gactatgttc argtcttttt cttggtccar 840  
tctaattctt ataaacgttt gctttataaa gatttttttaa aacttttaaaa aaacngcacg 900  
a 901

<210> 37  
<211> 954  
<212> DNA  
<213> Homo sapiens

<400> 37  
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ctctctctcc cggtggaggc ccagcaggcc acggagcacc gcctgaagcc gtggctgggtg 180  
ggcctggctg cggtagtcgg ctctctgttc atcgtctatt tgggtctgct ggccaaccgc 240  
ctctggtggt ccaaggccag ggctgaggac gaggaggaga ccacgttcag aatggagtcc 300  
aacctatacc aggaccagag tgaagacaag agagagaaga aagaggccaa ggagaaagaa 360  
gagaagagga agaaggagaa aaagacagca aaggaaggag agagcaactt gggactggat 420  
ctggaggaaa aagagcccgg agaccatgag agagcaaaga gcacagtcac gtgaagattc 480  
ctggctgcct cttccaggca gtccccccaga gatgcctctt ctgcccccta aaagcagtgc 540  
cctggacttg aagcccgtga aatgactcca tctgggattc agaatacagt gttctcaagt 600  
gaagaaggct tggaaaccac cccacctccc tcattggggg ctctctgggc aaacatggtt 660  
ttcatgcacc cctcttctct agcttgggtc ctgacctggtg attcttctta tactcggaga 720  
gcatccctgg ttgaggagac acccgcaatc ctccacgac tcattggctcc acctgcttct 780  
ccccactgcc tgatttcttt tctctctgcc tgatgtctac tgaacagaac ttcccctctc 840  
ccatgcaccc actgccagct gagagctgct tcccaatggc ctgcattaaa gcattcgtaa 900  
cagccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tcga 954

<210> 38  
<211> 890  
<212> DNA

<213> Homo sapiens

<400> 38

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cggtttggcc	aggtggatac	tgatgaaaat	attctgctgg	cgagtctcca	cagtcaccag	180
tacagctggc	gctctcacia	atccccacag	ctgttacaca	tctgtattga	aggttggggc	240
aactggcggt	ggtcagagcc	tttcagtgtg	gaccatgccg	ggacttttat	tagaacaatt	300
cagtacaggg	gtcgaactgc	ttctctcatc	atcaaggttc	agcaactcaa	tggagtacaa	360
aaacagatta	tcattctgtg	aagacagatc	atctgtagtt	acttgtctca	aagcatagaa	420
ctaaaagtgc	ttcagcatta	cattgggtcaa	gatggacaag	ctgtagttcg	ggaacatttt	480
gactgcctca	cagccaaaca	gaaattgcct	tcgtacatac	tagaaaacaa	tgaactgacg	540
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aaagcccctg	agtacagcat	tgtcattcag	gtgccatctt	caaacagttc	cattatttat	660
gtctgggtgca	cagttttgac	tttagaacc	aactctcaag	tgcaacaacg	aatgattgtg	720
ttcagccctc	tttttatcat	gaggagtcac	cttcagacc	ccattatcat	acatttggag	780
aaaaggagtc	tgggattgag	tgaaacacaa	attattccag	gaaaagggca	ggaaaaacca	840
ctgcaaaaca	tagaacctga	ccttgtacat	cacctgacat	tccaagcaag		890

<210> 39

<211> 1070

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1016)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1026)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1043)

<223> n equals a,t,g, or c

<400> 39

acagcctttg	ttaccttccg	agccaccgga	aaacctctag	tacagacaac	cccaagggtg	60
gtttataagt	ggttcctgct	aattctataaa	atcagctatg	ccactggcat	tggtggctac	120
atggctgtca	tgtttaccct	ctttggtctt	aacttattat	tcaagatcaa	accagaagat	180
gccatggact	ttggcatctc	ccttctcttc	tatggcctct	actatggagt	tctggaacgg	240
gactttgacg	aaatgtgtgc	agactacatg	gcattctacca	targgttcta	sagcgagtcg	300
ggcatgccta	ccaaacatct	ttcagacagt	ktgtgtgctk	tktgtgggca	gcagatcttt	360
gtggacgtca	tgaagagggg	atcattgaga	acacgtatag	gctgtcctgc	aatcatgtct	420
tccacgagtt	ctgcatccgt	ggctgggtgca	tcgtgggaaa	gaagcaaacg	tgtccctact	480
gcaaagagaa	ggtagacctc	aagaggatgt	tcagcaatcc	ctgggagagg	cctcacgtca	540
tgtatgggca	actgctggac	tggtctcgat	acttggtagc	ctggcagcct	gtcatcattg	600
gtgtagtcca	aggcatcaac	tacatcctgg	gcctggaata	gtgatgaaga	gcacagtggt	660
aaaaccacc	ccacacgcca	tggacctcag	ggcactctcc	tcctgcccc	caaagacctc	720
ctgggtggga	aagactcaaa	ggggcgcttg	ggccactcag	gacccctccg	gctgtgtcgg	780
actggggagg	gatatgatgg	agagccagcc	agtggggctg	kcagcagtg	ggggcttttt	840
aaaagaaaac	tattttgatg	aatatattta	aaaaaccttt	ttttattgtg	gagcatagga	900
attgcccccc	tccaggtctc	accctccctg	cctaagcagg	ttggggggcag	agccatgaca	960
tttttggttt	aaaggagcct	tctcatctct	ggccgagaa	actgctgggc	tcccangtag	1020
ctgaangcct	cagcccaycc	atncccttct	tcctgtgtgt	gggctcaagg		1070

<210> 40  
 <211> 772  
 <212> DNA  
 <213> Homo sapiens

<400> 40  
 gcaaccagta tgaaaaggct ttctcatcca agtatctgca gaactgggtct cccactaagc 60  
 caacaaaaga gagcatctct tctcatgaag gctacactca aattattgcc aacgatcgtg 120  
 gtcattctact gccttctgtg ccccggtcca aggcaaatcc ttgggggtcc ttcattgggca 180  
 cctggcaaat gcctctgaag atacccctcg ctcggtgac cctgacctcc cgtacaactg 240  
 ctgggtgctgc ctccctcacc aaatggatac agaaaaatcc tgatttactc caaggcctcc 300  
 aatgggctgt gtcctgaaat cttaggcaag ccccatgatc cagacagtca gaagaaactc 360  
 agaaagaagt ctatcacaaa gactgtacaa caagcacgaa gtccaaccat attccaagct 420  
 ccccagctgc caacctcaat tccccagatg aactccaaag ctcacamccc tctgcaggtc 480  
 atactccagg tccccaaaga ccagccaaat yctaagagcc cacctggrag tccacgtatg 540  
 ctagaactct gggcagggcc taatctagct gaggtccaga aatacaaaacc tgggaacttca 600  
 tatggaccaa gtggccacac actgaaaaac ccgtatagcg actcagtga ataaacaaga 660  
 gccccagtc agaactgtga aacagggaaa ttttggggtg gsagtaaaag saaatttga 720  
 aaataaactt ttttttgttg aatcttttaa aaaaaaaaaa aaaaaactcg ta 772

<210> 41  
 <211> 787  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (444)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (506)  
 <223> n equals a,t,g, or c

<400> 41  
 ggtgggtgct gccacccaga ggctctctgt ggggtccctag tggggaaaaat gactcctccc 60  
 cacctacagt cttgggtcagc agccccactg agctgtgttc atgttgactt ccagctccaa 120  
 ccttatctcc tgggtcctgc cagagttgtc ctctctgttg tgggttttct tgttctggaa 180  
 aaggcagtgt ggtgactggg cgggcccggaa gaccaggtcc agggctctcag gagggtgtcac 240  
 taatttccca ctccattccc cttcactccg ttacagctcc tttttggaat gaggggacga 300  
 tgctcaggaa gagaggaggt attggaaagg aaagagaccc cttcatcttc ctttttagcc 360  
 ctgctcaacc tggctggcta tttctgggag ggccctttag agttgctgtg ggccctctgcc 420  
 tatgtctgtg cagggcatag gcantgcaca sacagttgcc acaccagggt tggamaaatc 480  
 cccatgggtg ccttgtctgc tgtcanttgc ataggaaaatc tgataaaccta agattttttt 540  
 ttatttttta ttttgagaca gagtcttgct ctgtccccc aagttggagt caatggcatg 600  
 atcttggtc actgctacct ccaatcctgg atttgagcta ctcaggaggc tgagggtcagg 660  
 ggaatcgctg gaacgcggga ggcggagctt gcagtgagcc gagatcatgt cactgccctc 720  
 cagcctgggc gacacagtga gactccatct caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780  
 actcgta 787

<210> 42  
 <211> 652  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (392)  
 <223> n equals a,t,g, or c

<400> 42  
 aattcggcac agggggggcca ccacaccccg cctgtacatg ctgttttgca tcttgcttta 60  
 tacgttgggg agtgccagat gtcaccatct ttcgttcttc ctctggggct ggtcaaatacc 120  
 ccctgagaaa actcctcttg cctcctggcg gggggtgaag gccaggctgc cagggccagg 180  
 ctgccagctt ctgggagctg caggggcaga ggcagggagc tgtcaggcat tcagccagca 240  
 agacgcactc agtaccact tgggggttcag aatccccctc cctcatcttc agatggggcca 300  
 gatgtcccca aagccagcgg cccctttctg tttcacccctg tctacagaat aaacccccag 360  
 tcaactggggg tgggggaaga gtaaggggag angggaaacg agatttggag gtctagctgc 420  
 tgctgaaaca gccctcagtt cgtctttatt ttgccttctg caaaactggc ctggtgttgc 480  
 cagctccttt tgaggacttt gctamcgggt ctcagcatcc ctcaattgct ggcttaggat 540  
 tcatgggttt ttaggggttg ggtgggatta gcatgtccag ctgctttcca gtttcctaaag 600  
 ttctgtccct atcatattgc ctctgattta aaaaaaaaaa aaaaaaacctc ga 652

<210> 43  
 <211> 1520  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (799)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (928)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (937)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (945)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (974)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1019)  
 <223> n equals a,t,g, or c

<400> 43  
 gaattcggca cgagtcaccc ttttcagtga gttagtctgt acatttctta cactgtgagg 60  
 gggagtggta attactttac agggaggtat ggggccatgg tgtttgactc ttctttcaac 120  
 cacttctggg ttttttagtg aaaacctcta tctaactgt atactttcat ttctgttgtc 180

tattgagtca	gttaacactg	atccatttat	ttttcagttc	ccaaaatctt	gcttttgccat	240
tgcttctatt	ttattgtctg	ggggtgttta	acacctgttt	gcatttttta	cagtcattta	300
gtttccagat	tttagtaagg	gacagaggga	atagatggac	tcattcatga	tgtagaaaca	360
aatactccct	gtcttgtctt	acakgaaaaa	ttattcttaa	actagcctgt	cttkgagaac	420
ctgatcaaag	tataaaaaat	actttttggc	ttatttctta	gtgagtcamt	attccatatt	480
ttgaaggtgt	taagaggtat	ggtaaaggtg	gtacttgaac	atttccaagc	aaacgtgtga	540
tgaaatctty	catcaatgtc	ttagcaatgg	tatatgattt	ttttagtctt	agcaatttta	600
gataagtttt	ttttttgtct	tgtttttttg	agacggagtc	ttgctctgtc	gcctaggcta	660
cagtgtagtg	gcgtgatctc	ggctcactgc	agcctctgcc	tccgagcggg	gtccagcgat	720
tctcctgcat	cagcctcctg	ggtagttggg	attacaggtg	catgccacca	caccaactg	780
atttttgtat	ttttagtana	gacagggttt	caccatcttg	gcctgactgg	tcccgaactg	840
atctcaggtg	atctgcccac	ctcgggctcc	caaagtgtctg	ggattacaag	cgtaggccac	900
tgcggtggcct	gagcactwag	ggcgcaanga	raagcngta	ctggnaawtw	tacactactc	960
rgcacargac	mggntttaat	ctttttcttg	ggggacaaga	ttggaaaatt	gaggtctgna	1020
gcagacctga	agagaggcat	ccagcaactc	tgagattaat	tcattcatgat	cattcggttat	1080
tgtttggaat	tgacgtttag	ctgtgttcct	cactcagata	cgtgcatgat	agctgcttgc	1140
taatttggtc	tttagctaca	ttcacctag	aattgtatgg	ctccctctcc	cctgcaaaat	1200
atccccactgt	tgctaattctg	tctgcctcat	aatttccatg	agattgagca	tcttgtttgt	1260
tttgtcacca	ctatataaca	gcatgttggg	aacaaagcag	taataaagct	agaaaaacca	1320
agcgaataca	ctggattaaa	aaaaatactg	tttcctagaa	ttaaagaaat	aaatgaggcc	1380
gggcgcagtg	gtgcctgtaa	tcccagcagt	ttgggaggct	gaggctagtg	gatcatgtgg	1440
ccgagatcgc	gtcactgcac	tccagtctag	caacagagcg	ataccttggt	tcttacttaa	1500
aaaaaaaaaa	aaaaactcga					1520

<210> 44  
 <211> 796  
 <212> DNA  
 <213> Homo sapiens

<400> 44						
ggcacgaggt	gacgtgtttc	tgcattctgtt	gccatgacaa	gctccctgct	tcacccattg	60
ctgtatcccc	agcacctctc	tcaactgcctg	gcaaggga	gcactcagaa	gacgctgaat	120
gaccargtag	agtgatgggt	tgtacagcac	tgttactcct	tttccatctc	tgtgtcccat	180
gtgaacctta	tggcaccat	gagaaggagc	ttgtaccagg	tttatacttt	ctagtttaca	240
gatgagaaaa	caggatcaga	gtggtacaga	tattggtcta	agtcacagag	aaagtgaatt	300
gtaaaagcag	aaacagagca	caggctgcct	gacttctagt	ccagtgcctt	ttgctcaaat	360
tgccctctta	ttctcaggtt	attccttgaaa	tggcagatgg	ggattctggt	taatgaaaca	420
aaagtgcaca	ttctttcttt	cttggagaga	aggtggagac	agggctctac	tctatcacac	480
aggctggagt	gcagtggtc	aatcatggct	cactgcagcc	tcaatctcct	gggctcaagt	540
gattctttcca	ccttagcctc	cttgactcac	tgggactaca	ggtgcacacc	accatacctg	600
gctaattttt	aaagtttttt	gtagagacag	ggtctcacta	tattgtgcat	tctggtcttg	660
aactcctggt	cccaagtgat	cttctgcct	cggctttcca	aagtgtgga	attacaggca	720
tcacccccat	gcctagcctg	aaaattcttt	ctatgtcctt	aacatcttct	ttcccagtat	780
ttctccatcc	actcga					796

<210> 45  
 <211> 1378  
 <212> DNA  
 <213> Homo sapiens

<400> 45						
gatctctgtg	tttacctgta	taaatatttt	ccctgttctt	tttatgactt	gtatatttct	60
ggtatagggt	tgttgcaaat	ggttatttta	tcttgactag	gtgagaagtc	atagaaattc	120
tcctaatttc	aacatctatt	tattcatgga	tctatattat	ttttgtgtgg	gagaaaaact	180
tttctattta	aagataattt	acaaacgata	ataatctctt	ttaggtatgt	ctattttttac	240
ttgtcaaaaa	cacataacat	ttacaatagg	atattttgaa	atgtttattt	tagtcctatt	300
atattgacat	tgttatgcaa	catattcocka	aaakgttttk	gtcttgcaar	gctaaatatac	360

aataccatt	aaaaaactat	ggaattttac	ccatttcctg	ggcacttttc	aaacaccact	420
ctgttttctc	taagagtgtg	ctggcttcat	atatctcata	caatctctgt	ctttttgtga	480
ctggctcatt	ttattttgca	caatatcatc	aagctttata	gttggttagaa	tattttctgc	540
tttttaata	ctgggtgata	tttaagtatt	ttgtatttta	gattatatct	actgagtaat	600
ttggkgacaa	atttgcackg	cttttaccta	ttggctttca	gtaacaatgc	tgcaataatk	660
acmggtatgc	aaatgacctg	tatgatcata	tatgtgtaag	tttatatatg	tgccgcattc	720
tgttctacta	gtgtacgttt	ttacctttgt	actcatacca	aattgttaca	attctgtagc	780
tctgtaatgt	gtttcaaaat	cagaaactgt	aatgccttca	aaattgttta	ttttattgca	840
gatttttggg	tactttatta	tctcttaaga	ctttatatac	tttgggggtt	gctgtttcta	900
tttcttcaaa	aatgcatgag	aaattkgamc	aacattgcat	taaatctgta	aattacattg	960
agcaggatgg	acatcttcac	aagattaatt	attttaacat	ttcaacaagc	atgctcaaga	1020
gtgtattgtt	tttaatttcta	tgtattttgt	aatttttcag	ttttttcttc	ttactgttct	1080
atactcattt	cattttgggtc	atataaagta	atccataaaa	atttagtttt	aaataatttg	1140
ttaagacttc	ttttttgggt	taccaggttt	tctatcaagg	agaatttcgt	atgagggtatt	1200
tagaaggctg	tttatcatta	tgttgttgag	tgttctttat	gcctctgtta	tttaataattg	1260
ttttatactc	ccttcaagtc	cgttttcttt	accaatat	tgctctttta	aaatctttat	1320
tacagaaagt	gaagcattaa	aatattctac	tataaaaaaa	aaaaaaaaaa	aaactcga	1378

<210> 46  
 <211> 597  
 <212> DNA  
 <213> Homo sapiens

<400> 46						
tggcggccgc	tctagaacta	gtggatcccc	cgggctgcag	gaattcggca	cgagcccggc	60
cgccatcttg	ggatcatgat	gagcctcgcc	ctgtgcctgg	tcccgcctgt	gaggggaagga	120
ctattagaaaa	tgaattgatg	tgttccttaa	aggatgggca	ggaaaacaga	tcctgtttgtg	180
gatattttatt	tgaacgggwt	tacagatttg	aaatgaagtc	acaaagtggg	cattaccaat	240
gagaggaaaa	cagacgagaa	aatcttgatg	gcttcacaag	acatgcaaca	aacaaaatgg	300
aatactgtga	tgacatgagg	cagccaagct	ggggaggaga	taaccacggg	gcagagggtc	360
aggattctgg	ccctgctgcc	taaactgtgc	gttcataacc	aatcattttc	atatttctaa	420
ccctcaaaac	aaagctgttg	taatatctga	tctctacggg	tccttctggg	cccaacattc	480
tccatatatc	cagccacact	catttttaat	atttagttcc	cagatctgta	ctgtgacctt	540
tctacactgt	agaataacat	tactcatttt	gttcaaaaaa	aaaaaaaaaa	aactcga	597

<210> 47  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<400> 47						
agaactagtg	atcccccggg	ctgcaggaat	tggcacgag	gacctctgac	catcaggctt	60
ctgggaacca	taggctatac	ccacaccaca	gagcatcgat	aaactatttt	gatgtttctc	120
ttgctttcag	aaagacagct	tccaagattc	aagcccaggt	ggtgccggtc	tttttttgga	180
ggtgctaatt	aataatttaa	cttcatctaa	tgataatttt	atcttggtgc	agtttggtga	240
tttatgatta	tctcatccat	ccggtgccta	gtgttgggca	tagagtgtgt	ctctgctgtc	300
tgccagaatc	tgctactggg	agaattttcc	cactggggaga	gggaccagc	aaatggcatg	360
gtcttagaag	gtctcctgaa	cacattttct	tgggagggtc	cctgttatct	tcaaggttga	420
tggctttctg	caatctctca	agggctgttt	tgccctggaa	caggacgatg	gagacagaga	480
cctatcagct	gtgggcatct	caatatcagc	ggaaatgggt	atcaagaagt	ctcagccagg	540
tgcagtgcct	gcgcctgtaa	tcccaacact	ttgggaggct	gaggtaggta	gatcactcga	600

<210> 48  
 <211> 911  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> n equals a,t,g, or c

<400> 48  
 cccgcnggta aagggaacaa aatcgtggag cgccaccggs ggtggcgggc rcgtctagaa 60  
 ctagtggatc ccccgggctg caggaattcg gcacgagcac ctatccacct tggatcgtag 120  
 cgtgatatgg tctaaatcta tactgaatgc gcgttgcaag atatgtcgaa agaaaggcga 180  
 tgctgaaaac atggttcttt gtgatggctg tgataggggt catcatacct actgtgttcg 240  
 accaaagctc aagactgtgc ctgaaggaga ctgggtttgt ccagaatgtc gaccaaagca 300  
 acgttctaga agactctcct ctagacagag accatccttg gaaagtgatg aagatgtgga 360  
 agacagtatg ggaggtgagg atgatgaagt tgatggcgat gaagaagaag gtcaaagtga 420  
 ggaggaagag tatgaggtag aacaagrtga agatgactct cmagaagagg amgaagtcag 480  
 gtmagtccta amatgcaata aaatgagtca gtaagtctta gttagacaat ttctccacta 540  
 ttcaaataca aatggaatag ttagggtctg taacttagtt taaaactaat atataggctg 600  
 gacacggtag cttatgccta taatcccagc actttgggag gctgaggcag gcagatcacc 660  
 tgaggctcagg agttcgagat cagcctggcc aacatgggtga aaccccgctc ctactaaaaa 720  
 ttgaaaaatt agccaagggtg ttggtggaca tctgtaatcc cagctactcg ggaggctgag 780  
 gtaggagagc tgcttgaacc cgggagcgga ggttgacgtg aggtaacgga tcacgcmatt 840  
 gcactycagt ctgggtgaca agagcgagac tccatctcaa aaaaaaaaaa aaaaaaaaaa 900  
 aaaaaactcg a 911

<210> 49  
 <211> 1863  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (172)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1820)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1826)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1833)  
 <223> n equals a,t,g, or c

<400> 49  
 gaattcggca cgaggatgat atggacatat gtagcccagt ggcattgtac tttctgctga 60  
 cagctgcaca cattacagct gtctccaaac ccacagtgat gcttagggaa agaccctgct 120  
 caggaccag caggtcagca cccagagca gactgatagg tccgtgggac cnatgttaga 180  
 gcagaaaatt tgggctcagc acattttact gttagtagag agccaggaaa cgttttctgg 240  
 gttggggatt ttgtgggatt ttttaatttt tttagtaggt tttgtttaac ctctgtgcag 300  
 tttgtatgaa tgaattgcta tacatttata aggagccagg gtctggaggg ttgctatcac 360  
 tttgtccagc ccaaatacct tcctgggcaa ctctaccat ttgtttgcag ttgcctctac 420  
 tagctgatgg cagtatgctg gaaagaggtt gtactataaa gagagttctt tccttctact 480



ccagagttgt	tgtgtagctt	tgccattgaa	ccgatcaatt	tttaaactct	ttaaagaagc	540
agcctggcca	acatagtga	gccccgtctc	tactaaaaat	acaaaaaatt	agctgggcat	600
ggtggtggc	gcctgtagtc	ccggctgctt	gagaggctca	ggcaggagaa	tcgcttgaac	660
ctgggagtg	aggttgcggt	gaqccgagat	tgaccattg	tattccaccc	cgggtgacag	720
tgcaagactc	catctcaaaa	aaaaaaaaaa	aatttggcat	catttacaat	ttcatagaat	780
tactgtgaag	gcctttctag	ttgagatggt	ggggtatttg	ggattcta	tgtaacccc	840
agaagaaggt	aatttagctt	gtatttattt	aaaaccatt	tagcctttta	cttatatctg	900
gtagaattcc	agtgatcatc	ctaataaggt	atatttcaga	ataattttt	tttccttcag	960
aataacttag	aatcagatgc	tataagggct	cctaggagca	gtgtgaaatt	tccgtaaaga	1020
taaatttgaa	tgttgtaacc	aagtttatat	taaaccaaga	ggccatttcc	aatatgattt	1080
tttgtttctt	tttaacttgt	taagtcccta	agagattaca	tgctagggtt	tgagtcattt	1140
ctattgtaga	taatgatggc	ccacacagtc	accttcaact	atccacataa	gctagggttt	1200
ccgcttttgc	cacggacagt	gtgaccaaga	tatttccaga	gtaaataacc	caccacaacc	1260
ttggtaatc	ctcttttctt	cttaagctcc	aggaagcgaa	agcagaagga	ctcttttccag	1320
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catgtggtga	ccccatattt	ttctgaggtt	cttcttttcc	atggtgttac	tttattatca	1440
gaaagtaaat	tcagaaaaat	ggtcttgccc	ttagcagaca	agaaccacac	cagtttcttg	1500
taaaggtaac	ggatacattg	ggattcagga	gtgacacaga	ggtccagccc	cagaacttgt	1560
aaggattttg	tttgaacact	gagcagatgc	ctcctccctg	ccacccatca	cactagttag	1620
ggctggccat	gaattctatg	ccagagtcac	tcctgcagtc	tgctagggat	gggccttctt	1680
atcccactct	cgcacacatc	ccagtcctag	ctttgccttc	acagagtcct	ccttgacacc	1740
cctgacttaa	tgatagttgc	tgttttggag	tagrattgat	caggtttaag	tcacctctgt	1800
caggttgggg	catagtgggn	tcatgntctg	tantttcagg	catttgggga	agccaaagtg	1860
gaa						1863

<210> 50  
 <211> 810  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (688)  
 <223> n equals a,t,g, or c

<400> 50						
gatcctccac	atccttccat	ggctctgaag	aataaattca	gttgtttatg	gatcttgggt	60
ctgtgtttgg	tagccactac	atcttccaaa	atcccatcca	tcactgacct	acactttata	120
gacaactgca	tagaagccca	caacgaatgg	cgtggcaaag	tcaaccctcc	cgcggccgac	180
atgaaataca	tgatttggga	taaaggttta	gcaaagatgg	ctaaagcatg	gggcaaacca	240
gtgcaaattt	gaacataatg	actgtttgga	taaatcatat	aaatgctatg	cagctttkga	300
awawgttgga	gaaaatatct	ggttaggtgg	aataaagtca	ttcacaccaa	gacatgccat	360
tacggcttgg	tataatgaaa	cccaatttta	tgattttgat	agtctatcat	gctccagagt	420
ctgtggccat	tatacacagt	tagtttgggc	caattcatct	tatgtcggtk	gtgcarttgc	480
aatgtgtcct	aaccttgggg	gagcttcaac	tgcaatattt	gtatgcaact	acggacctgc	540
aggaaaattt	gcaaatatgc	ctccttacgt	aagaggagaa	tcttgctctc	tctgctcaaa	600
agaagagaaa	tgtgtaaaga	acctctgcaa	aaatccattt	ctgaagccaa	cggggagagc	660
acctcagcag	acagccttta	atccattnca	gcttaggttt	tcttcttctg	agaatctttt	720
aatgtcattt	atatacaaaa	gaaattctca	aatgttataa	taaaggaata	gtttattgct	780
taaaaaaaaa	aaaaaaaaaa	aaaaactcga				810

<210> 51  
 <211> 956  
 <212> DNA  
 <213> Homo sapiens

<400> 51

aattcggcac	gagctaaagc	atggttttcca	agatgctaca	ggcagcgagc	ctctctctag	60
tgacctgggt	agttttgcacg	gttttggttg	aaaccacagt	cccccatct	ctgccagaac	120
cccccatgtg	gccactgtcc	tcagacagct	cctggagctt	gtggataagc	actggaatgg	180
ctccggctcc	ctcctcctca	acaagaagtt	tctcggtcct	gcccagagatt	tgcttctgtc	240
tttggttagtc	ccggstcctt	ctcagccgag	gtgttgctca	catcctgaag	acacgatgaa	300
agcattctgc	aggaggggagc	ttgaactgaa	ggaggctgcg	cactgggtccc	taatgacatg	360
gaaagtttga	agcaaaaact	ggtcagagtg	ctggaggaaa	acctcatttt	gtcagaaaaa	420
attcaacagt	tggaggaagg	tgctgccatc	tcaattgtga	gtgggcaaca	gtcacatact	480
tatgatgatc	ttctgcacaa	aaaccaacag	ctgaccatgc	aggtggcttg	cctgaaccag	540
gagcttgccc	agctgaaaaa	gctggagaag	acagttgcca	ttctccatga	aagtcagaga	600
tccctgggtg	taactaatga	gtatctgtcg	cagcagctga	ataaggagcc	aaaaggttat	660
tccgggaaag	cgctcctgcc	tcctgagaag	gtcatcatc	tggggagatc	atcgcccttt	720
gggaaaagca	cgttgtcttc	ctcctcacca	gtggcacatg	agactgggtca	gtatctaata	780
cagagcgtct	tggatgctgc	cccagagcct	ggcttataga	gctagcatgg	aactcacacc	840
acagcttccc	tgggtccacag	aggstctcac	cgccattgca	ccagtatggt	ggtatgtact	900
cacaaagatt	aagaaagaaa	tgtattctga	ytaaaaaaaa	aaaaaaaaaa	actcga	956

<210> 52  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 52						
gaccatatgt	tgcaggaagt	caaactggac	tttttgtggc	tactaaattt	gcctttaatc	60
ttattgttct	caattttgga	atcaagtatg	aaaatctgca	caaatgcaat	gtttacaaga	120
actggttgat	tctgggaggc	atctgctaca	gtctcttttt	atatggatat	gtacatgtcc	180
tattctacaa	aaatgattaa	agataaaaaac	atacttgtat	cccactgcta	ctttagctgt	240
caaatttggt	gtttcatcac	attaaaagca	ataaatcagt	agttggtaat	gtaaaaaaaa	300

<210> 53  
 <211> 841  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (836)  
 <223> n equals a,t,g, or c

<400> 53						
gaagggtcgg	ggagatat	ccgttagaca	tcgctgaaac	acagactggg	atcaaactgt	60
gctcatagtc	ctaaggatct	ccagcacccct	gccggtggca	ctactgagag	acgaggtgcc	120
agggtggttc	ctgaaartgc	ctgagcccca	acttatcagc	aaggagctca	tcatgctgac	180
agaagtcatg	gaggtctggc	atggcttagt	gatcgcggtg	gtgtccctct	tcctgcaggc	240
ctgcttccct	accgccatca	actacctgct	cagcaggcac	atgggtaact	ggctcagcat	300
cctcttccct	cctagtcact	ctcagagacc	attctcgagc	ctccagcagg	acagaccctt	360
tggagttccc	aaacgtcact	caaaaactac	cagaggaccc	accggccaaa	ttccttccca	420
ccgctccccc	tccccccaat	aactgtatct	gggtaatccc	cactctgacc	tcacctttta	480
accaactatt	tctggctgga	agtggccatc	cacatccgtc	tactaccag	accttctgcc	540
tagacacagc	ttttgcaatg	tcctacgagg	aagtgtctgt	gtaacctggt	ctaattaatt	600
ttcttcatcc	ctgttaaagg	actgaatatg	aagaaatgtc	cttgaattac	aacagaagga	660
aatatgggtg	gacttagaga	ttagttttaa	ttcttgaact	gataaacaat	agaaggtagt	720
gaagctcggt	cctggaaaag	catttcaatt	agggaaaata	aaacaatgct	gctttggttg	780
tgctaagaaa	aaaaaaaaaa	aaaaaaaaact	cgtagggggg	gtcttggtac	ccaatngtcc	840
t						841

<210> 54  
 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<400> 54  
 gattaatccc ctcaaccttc tttctgagtt cccatttcac agatgggtaa aactgaggtt 60  
 tactcctcgt ctagcttcac tgaatggcag agcccatagc ttgtctttgc ctaatctgct 120  
 gcataatcat ttcagcaaca actcaaatgc cttttgaggg ttcttgcttc tgtttggtgc 180  
 cttgtaattt tcaaccatat tttagacact ttaggcctaa tgatctaagg catatggttt 240  
 ttacccatgg tctgtgggcc cttgagaagc tgagtctct gaaagaaaat cagaatgttg 300  
 catgcatctg tattttttgt cttagatttc acttgattct caaatggatc cttgactccc 360  
 ccaaagttta atttattcaa caaatctttt ttttcctcca tactttttat tctgaaacat 420  
 attcccccaa tttttaactt ctgaaaaatt tcagacaagt tattggaata gggtagtgag 480  
 tatctatgaa cctttcatat aggtttactt taaaaaaaaa acaagagaca gggctcttgct 540  
 ctgtggccca ggctagagtg ctatgattgt gccactgcag cctgggtgac agaacaagac 600  
 cctgtcttta aaaaaaaaaa aaaaaaaact cgta 634

<210> 55  
 <211> 863  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (7)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (298)  
 <223> n equals a,t,g, or c

<400> 55  
 gggcagnagt tccatttctg ccgtgggtccc agcagcgctg ctgtgggtct ggcctgggtt 60  
 gcgtgtgttt cgatatgtgg ccgtgctccc tgcttggttc ccttttctg gaacgtgtca 120  
 ctgctccct gtctcgctcc gtggacattt ctgggaggtc aggccgtggc cacctggccc 180  
 cctgttcagg tctgaggtc ccacctgctt aggttcggga agctcaggag tgaggccatg 240  
 ccctcctcag gacatcccat ccaagccagc catgtccggt gatgggccgc tgcccgnaa 300  
 agtccttttc cttcttgtaa ctgagaagaa cttgccttga gccacgtcaa gtcccgctcg 360  
 tcgcagccac tgcccacaag cgtgagtctg ctgtgagcca gcggtccat ggcagggcat 420  
 cccagcgcca ttctgcctt cacacacact tgctgcctt tccctgtgct gggggctgtg 480  
 cargtctgcc tcggtgtgga cttttctctt aggaaagagc cccaggtcgg ccgagcacgg 540  
 tggctcatgc ctgtaatccc agcacttttg gaggtgagg cgggcagatc acgaggccaa 600  
 gagatcaaga caatcctggc caacatggtg aaatcccgtc tctactttt aagtatttta 660  
 tacttaaaat ttttgatatt tatacaaaaa ttagcgggct tgggtggcaga tgcctgtagt 720  
 cccagctact cgggaggctg aggcaggaaa atcacttgaa cctgagaggc ggagattgca 780  
 gtgagccaag atggcgtcca ctgcattcca gcctgggcga cagagcaaga ctctatctca 840  
 aaaaaaaaaa aaaaaaactc gta 863

<210> 56  
 <211> 712  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE

<222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (44)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (56)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (128)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (625)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (692)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (699)  
 <223> n equals a,t,g, or c

<400> 56  
 tggttgtttgg aattgtggtan cggattaaca atttcaccac gggnaaccgg ctttgnccca 60  
 tggattccgc caaggcccgga atttaccct tcaactaaagg ggaacaaaaa gctggagctc 120  
 caccgcgntg gcggccgctc tagaactagt ggatcccccg ggctgcagga ttcggcacga 180  
 ggtttcctgt cagtgtctatt gagattttat tttattaatg tctgcactta gttttacttc 240  
 ctactttcta cttttattga gagttaaac tggtgaagtc tcaggttcaa ttcctcacc 300  
 tgagcaacct aatgttttat gtcttgttct tctacattt ggttattgaa actgaagttt 360  
 taggttacca gatttgatag aagcacataa gactacttac tgcttttagtc tcaattatta 420  
 attgagaaat tatcaattaa caataaggat ttctcttatt tttccccaag ataagttata 480  
 tatttaaagt gtgttttata gtagaaagg tttagaatat ttgggttgct acattaattg 540  
 aaatggcagc tgaagatgtg atttccagcc agggatttat taaaaaaaaa aaaaaaaaaa 600  
 tcgagggggg gccgtaccca atcgncctat agtgagtcgt atacaatcac gggcgtcgtt 660  
 acacgtcggg ctggaaacct gcgtaccact ancgctgcnc acacccttc gc 712

<210> 57  
 <211> 925  
 <212> DNA  
 <213> Homo sapiens

<400> 57  
 gatttaaatg tggtgtttct ttttaaaaac attgaatctg tgggtgggtt atttctgtca 60  
 atttatttgc cttccttgcc aagtcacact ttgcctaatt gatgtcctgt gtgttttcca 120  
 ttccgttcat gctgaattat cttaggtcaa agaggaaatc atctttctgc ctccaacctt 180  
 cttacttgcc tctaattccc tttcttgact cttccaagtc aggattctca ccaaggaagc 240  
 tatctgcctt ctttggaat gttgggctta tgaagacttg gagataatgg gggttcagtga 300

ttcagactct	ttrgcatwta	cagtagagtt	tctaattgtt	tcagcattcc	ctagtgggca	360
gttacaagtt	aggttgggat	tctaatacata	tttatgatas	tcacagatta	aattgcactt	420
tgtctctgcc	ccagtctttg	attccctttt	ggccagcagt	tttttaggtct	gtcagtactg	480
cactgcarga	atggcagatt	ttgggatctc	tgctggccag	tttgtggcag	tggtctggga	540
taagtcatcc	ccagtggagg	ctctgaaagg	tctggtggat	aagcttcaag	cgtaaaccgg	600
caatgagggc	cgctgtgtct	tggaaaacat	caagcagctg	ttgcaatgta	agtaccacc	660
cacgttgtct	ttatgaggct	ggaggggttt	ccatgggagt	gttgcatctt	tgtggttcct	720
tgatatctga	gttttcattt	aggggtggcat	gtgatagtgg	tggctgggtca	ccctgttgtt	780
tttcagttga	gatatatcgg	aggaaccacc	cccaataatt	caacgtaggt	tcttttctat	840
tttccctaag	tgctggctgg	tctgagaaat	aaaggggaaag	gatacaaaaa	agaaaaaaat	900
aaaaaaaaaa	aaaaaaaaaa	ctcga				925

<210> 58  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<400> 58						
gctgccagga	attccggcac	ggggaacagt	gtaatatgtg	agcaaatgct	gtataacaac	60
cacctggaag	cccctcatgt	atctcttttt	gaaaacactc	ctctctttct	ccactctaata	120
gatgaccacc	gccttgtctt	ttatggtaat	cactgttctt	tgggttttat	tactgcattt	180
attggctaata	atatgcatcc	ctagaaaatg	tagttttgct	tgcttttata	taaatggaat	240
attactgcat	gcagtctttt	gattttgtgat	tgttttgctc	taaggcttgt	aaggggtcatc	300
catgttttgc	atatagtttg	tttattgtca	ttgccataga	gtaaatcatt	gtatgaatat	360
actgcagttt	atttactggt	gacatatgtt	tcagttgttt	ttactacta	ggaaatgcta	420
ctctgtacat	tcttgtatat	gtaccttggt	gcacatatgt	atgtttttct	agagtatata	480
cagtggcatg	ggattgctga	attaaaagg	ttgtatatct	tatactagaa	gataataaaa	540
acttttcctg	atggattctg	ccaattcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaactcg	600
a						601

<210> 59  
 <211> 730  
 <212> DNA  
 <213> Homo sapiens

<400> 59						
gggagaactt	ctttattcac	atattgcatt	gtttttacaaa	tggaaacctgc	gagtctatgg	60
atgccatctt	tttaacatgg	tctggaactg	aacctacaat	atttctgaga	aaattgactt	120
tgcttctttg	agaacagcat	ggtgagtcta	ctatccttga	cttttcatca	atttgtttca	180
tcactaaagt	atttcaagtt	gctgtctacg	tcaaggcaag	aaattctgta	gggtttcagc	240
tgaaaaatca	gaagccacac	aggcttgctg	gaacacacag	ctgcatttcc	agctctgatt	300
ttaaatgtgc	wctatctgga	tccatattct	ggcacaatct	gcctcttggt	atgaagatga	360
aaatggttac	cttaaagttc	tcttcgggtca	ggccttcttc	agtttttagca	tctctaataca	420
ttgcagcaac	gtatcgcttc	accagggttc	tcataacttc	ctgaggcatt	ttagaacaag	480
agtattgata	ctcaatgagt	aaataaattt	cctcctgagt	cagttctgaa	gggggggactg	540
catttttattt	tagtgaaaat	ttcaagacat	agtacaagga	caacttactt	ggtattggtg	600
atgtcttctc	aagttatcag	cagctcgctc	ctgaaaagga	aaaggacatt	cctttctggt	660
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aaaaaactcga						730

<210> 60  
 <211> 845  
 <212> DNA  
 <213> Homo sapiens

<400> 60

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cagttgcttt	tttttttttg	gaaacatagt	cttgctcttg	tcacccaggc	tggagtgtaa	120
tggrcgcgat	ctcggtctac	tgcaacctct	accttcacag	ttcaagtgat	tctcctgcct	180
cagcctctgg	agtagctgtg	attacaggcg	tatgccacca	cgcccaagta	atttttgtgt	240
ttttagtaga	gacagcgttt	caccatgttg	tccaggctgg	tctcaaaactc	ctgacctcag	300
gccatccacc	caccttgggc	tcccacagtg	ctgggattac	aggtgtgagc	cactgtacct	360
ggcctccttt	caactttata	ttcacctatt	tttatctttt	ttaaaagcac	cacttgcctt	420
tgtttttaatt	ctctgtcaag	caattaattg	agattttcat	cctgctggca	accactctag	480
ttctgcagca	tcctcatgag	aagcaaggtc	cactttctcat	ttgtcttcct	ttcaactgtt	540
tctattttcca	cactttcact	agcaatatta	atttcaacca	atttctaaga	caagaagtat	600
gccactggaat	gtataactga	tcttaacaac	agattaacaa	attgttgatt	ccctgccatt	660
ttcaaaaatat	caaataatac	agacagtaat	ttttttaaaa	tattttttca	tctctgaggg	720
aaaggatgat	ttgaagactc	ctttcaaatt	cccaagaaag	cctctcaata	ttatctgtgt	780
aaactactga	ttcacaggaa	taaatatattg	ttattttaata	taaactaaaa	tgáaaaaaaa	840
actcc						845

<210> 61  
 <211> 958  
 <212> DNA  
 <213> Homo sapiens

<400> 61						
ggcacgagcc	ctgcggctcc	ttagtcacct	ctgatagcag	attgagggag	gaaaacaggt	60
aaggcatgag	gaaatggcca	ggttgggtta	acctactggt	ttcaaccagt	tcaggaatga	120
ggttattttg	ccatgactgg	ctgatcttga	gctcaaggat	ctgcttcaaa	tgcacacagg	180
cctagttgaa	gtttaaaccc	cagcaaaaaca	ttcctccctg	taaatggaaa	atcctacttc	240
tacccccacc	ctgccctgtt	ttttgttttt	tttttcccca	agatcattag	atgtcctcac	300
ccctcctcac	tgcctcctct	ctgggacagg	ctgggacctt	gaggaagata	aagccttcct	360
tgactaccca	tcataattcag	tgtccctgtt	cctcactcag	agaggaaggc	agaaccagtc	420
aggcttattt	cagtaagttc	cacagttcta	caagactgca	ggaattctcc	ttaagggagg	480
agagcaagca	ggtgtggccc	cagcttcttg	aaatggcaga	agagaggggt	ttctcattga	540
atgggggtgg	gggctcgtgt	gtcctgggaa	accccatcag	tcccttcatt	tcttgagact	600
caactcctgg	gaggagaggg	tctcaagagt	tgtccctgga	aggagggcgg	gggcagtctg	660
catctatttc	aggttgtggc	tcttggttct	aggactctta	cttctctggc	taagggtcct	720
gcttcttggg	acttcaacca	tcttctttct	gaaagaccaa	atctaattga	accagtaacg	780
tgaggactgc	caagtatggc	tttgtcccta	tgactcagag	gagggtttgt	cgggcaaatt	840
caggtggatg	aagtatgtgt	gtgctgtgtc	atgggagtgt	gcgtggactg	ggatatcatc	900
tctacagcct	gcaaataaac	cagacaaact	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaa	958

<210> 62  
 <211> 582  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (27)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (49)

<223> n equals a,t,g, or c

<400> 62

c c g t t t g c c g	g c c c g c c t c n	t g g g a c n t g g	t g g t c c c c c c	c c g g g c c t n c	a g g g a t t c g g	60
c m c g r g t g c a	t a c a t g c c t a	c c t a t g t a t a	t a t a a a c a a a	c a t t t t t g t a	a a c a g c t c a g	120
t g a g g a c t t t	g g a c t g g c a t	a a a t c a t a g g	a a t a t g a t t a	t g a g g a t a c a	t c c a a t t t t c	180
a g a t t g g g c a	a t g t a t a c a g	t t t a t t a t c a	t t t c t g a t t t	t g g g t a g a g t	t a g t a c t a a g	240
a a c a g c a t t g	a a g a a a a g c a	g t a t a a c a t t	a a a a t t a a g a	a g a t t t a a a a	t a c a a g a g g a	300
t t c a t a a c a g	t c a c t t t t a a	a a t a t t g t t t	t g g c t t t c t a	c t t t g g a g c t	g t a a t t t t a a	360
a a a a a g a a t g	a a c a g g t t t t	t g t a t g a a t a	t g t t a g a a t g	a c t a a t t a t a	g a g c a t c t t t	420
c a a c t g g a a t	a c a t g t a g a t	a c t a a c a c c t	g g t t g t a t t t	g a t g t a a t t t	c a g t g c a t a c	480
a g t g t g t g t a	a t c t g t a t t a	a g t g a a a t a c	t t a t g a a t a a	a g t t g t t t c t	g c a t t g c a a a	540
a a a a a a a a a a	a a a a a a a a a a	a a a a a a a a a a	a a a a a a a c t c	g a		582

<210> 63

<211> 752

<212> DNA

<213> Homo sapiens

<400> 63

g g c a c g a g g g	g a g a g g c a g g	c a t t t g c a t t	c a g t c t t g a a	g g c t g a a t a g	g g c a g g g t a g	60
g c a c a g t g a t	t c c a g a g a g a	a g t c t t t g c t	c c t c c a t c t a	t g g a a a a a c t	t c t c a c a t t g	120
t a t t t a t t a c	t a t a t g t t t c	t t a c t g g a g t	g t c t c t c c t a	c t g g a c a g g g	a g c a g g t t t a	180
t t t a t t g c t c	a g t c c t c a g c	c c c t g g a c t t	a g g c a g a c t c	a t a g t a g a c a	t t t g g g a a a t	240
g c t t g g g a a a	g a a a g g a g g g	g a g g a g a g a g	g a a g g a c t c c	a t g g c c a t g t	c t a a a t g c c c	300
a g c a a t g t c a	t a g a g g t t a t	g g g g g t g c a g	g a g a a g a c a c	a g c c c t c c c t	c t g g c a g c t a	360
g g a t a g a g c c	t a g c t g c t g t	t a a a g a c a g g	c a g c t c a t t c	c t c a c c t g g g	c c a a g c t g c a	420
g c t g g t c a t c	t c t g c c c c t t	t c t c c t t c c a	t c t t a t g g g a	g c t t t t a t g g	a g t c a g a a g t	480
g a g t g a g g c a	g a c c t g g g a g	a g c c c t a c a c	t c a g g a a g a a	t g t a g g c t g c	a g a a a g g a a c	540
a g g t g t c c t g	g a g t t a g c t c	a g g a a g g t c t	t g a a g g a a g g	g g t t a a c y a g	c a g a t g g c a a	600
c c c a g t g a t c	t t t g t t g c t c	t c t g a a g c c a	c a g a g g a a a a	c a g t a g c a a c	r r r a t r a a a t	660
a a a a t a a a a t	a a a a a t a a t	a a a a a a g c a a	a g t t c c c a a g	g a a a t a a g a t	g g g g g a a t t c	720
g a t a t c a a g c	t t a t c g a t a c	c g t c g a c c t c	g a			752

<210> 64

<211> 706

<212> DNA

<213> Homo sapiens

<400> 64

g g a a a g a a a t	c c c t a c t g t g	t g g c a c c a g g	a c c t g t g t g a	c c t g c a a g g c	g c c t g t t t t c	60
c t c a a c a a a g	c c t c t t t t a t	a c c a c t t g c t	c c c c a c a c c a	c c c t g g c c c c	t t c c a c t t g c	120
t c a a a a a c a c	t g a g c t c c t t	t t c a c t g t g g	g g c c a t t g a a	t a t g c t g t t t	t c c c t c c c t a	180
g a a c c t t t t c	c t c t c a t t c t	t c a c c t g c c c	a a c t c a t a t t	t a t c c a t g c a	g c c t c a g t t t	240
t a a t g g c a t t	t c c t c c c a g g	c c t t c c a a g a	c c a c t c t c c c	t c a g g c a g c t	t t c c t g a c a t	300
c t t t a g c c t g	c c c g c t c a t g	c t c t c t a c c t	t t t t t c t g t a	t c a a a a t g c c	t t t g t t t g c a	360
a g t a a c a g a a	g g c c t g a c t t	a a c c t g c c t t	t a a a c a g t a a	g g a c a c a a g t	a t g c c t a t g t	420
t a t t a g a g g t	c t g c a g g t a a	g g c a c g t a a a	g g g t c a t c t t	t t t c c a g t g t	c t t c a a c t c c	480
a t t t c t c t g a	g g t t c c a t c a	g c t a c a t t c t	g t g c c a t g a c	t t t a t c c t c a	g t g c a t t t t t	540
c a g a t g g t a a	t c a a a t g g c t	g t a a c a t g t t	c a c c t c t a g c	t c a g c a t g a t	a c t c a g a g g a	600
a g a a t a g a g t	t g c t t c t a g g	a g t t t t g t g a	t g a g a a t g a g	g g a a t t t c t t	t c c c t g g a g c	660
c t c c a g c a a g	c t t g t c a t t a	a g t a c c t c c t	c a g g t t t c t g	g c t c g a		706

<210> 65

<211> 400

<212> DNA

<213> Homo sapiens

<400> 65

tgcaccacg	cgccgcct	gcatggcgag	atgtcctcct	ttcccgggce	acagtgtgtg	60
caactaataa	acctcctcca	tctcatctgc	ccagtgtcgg	gtcttgtgtg	ttcagccatc	120
accatagccc	tcaggcagaa	gtccatccct	caccaacagg	gaagagaggc	agtgatcaaa	180
acacctcctc	caggaagtct	tccctgaagt	tcgtagtctg	gcttcagtgc	cacttcttcc	240
ctgccctcat	attcgctaac	cgccacttac	tgcttggttt	tcagcctcac	taggatgtgg	300
gccactaagg	gccaacatgg	tcctacttgc	agctgcatta	tcagggccta	ccataacacc	360
ttccaaatgc	ttaaaaaaaa	aaaaaaaaaa	aagggcgggc			400

<210> 66

<211> 773

<212> DNA

<213> Homo sapiens

<400> 66

gcacaggtat	gttttctgat	ggcacaggcg	aggtcacaga	aaagtggatg	gcaggcggtg	60
ctgtctgtca	gaataacacg	aaagtgagag	aaggccgctc	tttcagaata	acaccacaag	120
tgggagaagg	ccgctccctc	agggctggcc	atgaataaat	ggggatttct	gcctgttytc	180
tccctcccg	ctcactccct	tttctgcag	aggcagctcc	tgagccattg	ccgagcagga	240
tgctagtttt	agcatggatt	acatttccac	cgtgtaaagc	ctgctgcatg	atgtgcatct	300
tctccagccg	cctccttcag	caggagargg	tttgcacart	tgtccaggga	arggaacctt	360
ggggcatggc	ccaacgggac	agaggatttg	artccctctg	attatgagca	ggttaattta	420
aaagtgaaaa	ccatgggttac	ccattgccct	ttaaaaamca	cccagggggc	gggcacagtg	480
gctcatgcct	gtaattccca	gcacttttgg	aggccgaggc	aggcagatca	caaggtcagg	540
agatggagac	catcctggct	aacatgggtg	aaccccgctc	ctactaaaaa	agtacaaaaa	600
attagccagg	cgtgggtggc	ggccgagtag	tcccagctgc	tcgagaggct	gaggcaggag	660
aatggcgtga	acctgggagg	cggagcttgc	agtgagccta	gatcgcgcca	ctgcaactcca	720
gcctgggtga	cagagcaaga	ctccatctca	aaaaaaaaaa	aaaaaaaactc	gta	773

<210> 67

<211> 647

<212> DNA

<213> Homo sapiens

<400> 67

ggcacgaggt	ttgatataatt	tttttctcat	ctttttgctg	ttactttatat	gtaactatct	60
ttaacaagtt	tgagatcttg	ttatataattt	tcatttggtg	ctttataaacc	atttctctat	120
attactaagt	ttaattaagg	tctggaattt	ttttagatgg	tgtatcatgg	gtataatatt	180
tatttagttg	ttttcctctt	gttatattta	gattgaggca	gtgctacagg	ctttaactag	240
agagggtggt	ggctgttcag	gactgggagg	tggaggacta	gcaggaacag	aggatatagca	300
ggagagcatg	cctactatgg	gtataggggc	agtaaggaga	gcagctgaag	cagccaccaa	360
ttaagaaagc	gttcaagctc	aacacccact	acctaataaa	tcccaaacat	ataactgaac	420
tcctcacacc	caattggacc	aatctatcac	cctatagaag	aactaatgtt	agtataagta	480
acatgaaaac	attctcctcc	gcataagcct	gcgtcagatt	aaaacactga	actgacaatt	540
aacagcccaa	tatctacaat	caaccaacaa	gtcattatta	ccctcactgt	caacccaaca	600
caggcatgct	cataaggaaa	ggttaaaaaa	aaaaaaaaaa	aactcga		647

<210> 68

<211> 675

<212> DNA

<213> Homo sapiens

<400> 68

ggactactcc	attcctctgg	atgtaaaatc	tacattctct	tgcttgaggt	ggatacgttt	60
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gcttgggttc	tgtttaagga	gatggggcca	gcagtgtgtt	tcagggcctg	tgaaatgtgt	120
tctctatccg	ggcttttgc	taatctctgt	tttcagtctt	gcctatcagt	cccactgtcg	180
ggggtacctc	gtgtctgagt	ctagaacctt	tccagggtgc	tgtgggacag	attagcctcc	240
ttgtttctcag	tatccccctga	cctccacctt	tattgctttg	ctccatgaat	taaccatttc	300
catgtactgt	catgtctaat	gaagatgaat	tctcttctgt	tggtaacccc	attccttttt	360
tgtaatgtg	tgcttataca	atgtttatct	ttcactgtat	ttctattgga	gcctcaggac	420
aaagagcaga	tggtgagaat	ctgtgttcag	tgtaagttt	tccttctgta	agacatgtgc	480
aacttggtgt	tttctactgaa	tagatcatgg	acttaatgca	tatagagcta	ctttgttttt	540
catgattgtg	ccttcaatta	tatgtagaaa	tataatttgt	gaattgcctg	atgaaatttt	600
cctaattttg	aattatcttt	gcattcctat	aataaacact	gttagaatgg	caaaaaaaaa	660
aaaaaaaaaa	ctcga					675

<210> 69  
 <211> 889  
 <212> DNA  
 <213> Homo sapiens

<400> 69						
gtacaggtgc	atgccactgc	acccagctca	ttgccttttg	ttttgtatgt	taaagcagat	60
ttagcccatg	aacttgagga	cagttttgct	gagcagaact	tcattctcttg	gctttgctgt	120
ttgtttgcct	tggttttttt	gttggtttta	cttagttttg	tttttgagc	taacatccat	180
aacttttgct	atgtatgata	taatccccctg	tatgaccctg	ggcaagtaac	ttaaccatt	240
cagggtccag	gttccctctta	tgggaaaggg	atgcttgata	agacactgtt	catggttcct	300
tgcagtttac	tattatgata	gatattcgat	gacctaaaaa	ttaaaccagt	ttcctttttc	360
aaatttaatt	tttycgggag	gtggaggaag	attttcattc	cttatgggtt	gagaaacatc	420
gctttcatac	atgtctaggg	taaccaagtt	ctctaataaa	tggcaatagt	gatgtatttt	480
yctwaaatcc	ttttctaamc	agcattatgg	gtttgtgctg	taccggacaa	cacttcctca	540
agattgcagc	aaccagcac	ctctctcttc	acccctcaat	ggagtccacg	atcgagcata	600
tggtgctgtg	gatggggtaa	gaatcgctct	tgaactgtgc	ctggcttttc	tccactatct	660
tgaaatcaga	tgggaggagg	cttttttctg	ggtgggactg	aggaggcaca	ctgaagtccc	720
ccaggtcatc	ggggctgggc	cattgccttt	ttccccaccc	tgggtagtcg	tggacagaag	780
cttgggatgg	gatggagagg	agagatcgtg	ctgtgtgtca	tgtctgttgt	tcaagtaaat	840
aaaagttgcc	ctgacttcaa	aaaaaaaaaa	aaaaaaaaaa	aaaactcga		889

<210> 70  
 <211> 888  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (347)  
 <223> n equals a,t,g, or c

<400> 70						
ggcacgagaa	ctgccgtcca	atctatgagc	tgggcccttc	cttccctctt	ctttcttctt	60
ttctctccct	tccttcttcc	ttcagggtta	actgtgatta	ggagatatac	caataacagt	120
aataattatt	taaaaaacca	cacacaccag	aaaaacaaaa	gacagcagaa	aataaccagg	180
tattcttaga	gctatagatt	tttggtcact	tgcttttata	gactatttta	atactcagca	240
ctagagggag	ggagggggag	ggaggaggga	gcaggcaggt	cccaaataca	aaagccagag	300
aaaggcagat	ggggtctccg	gggctgggca	gggggtgggag	tggccantgt	tggcggttct	360
tagagcagat	gtgtcattgt	gttcatttag	agaagtgggt	gaaggttcct	gggatcttag	420
gtaaagacta	gacgccgcct	agtactggct	tctactgtgc	tggctcagga	gttctgagaa	480
ctggaaggac	ttagcctcaa	cctgagttct	gcacacaccc	cttcccctta	aggaaggcag	540
ctctgagagg	cagcaggact	tgatccaaac	ccacagtctt	gtcctggagg	cagcaggggt	600
gaagggtggg	gggtccagggc	catgaggagc	ccccttgcca	tcagagcctg	gcctaaccac	660
cctcttctct	acttacacac	acatgcattt	tataatagct	ctgaccaaac	ctggccactc	720

tgcagagact	gggacagaca	ggtgcaggca	atggggccctc	ccacacccag	tcacctacaa	780
ggaattttca	aatccacttt	taaaacagaa	accgggtaaat	gcgccgtatt	gtatatttta	840
tttaataaaa	aaaaattcca	gcaaaaaaaaa	aaaaaaaaaaa	aactcgta		888

<210> 71  
 <211> 796  
 <212> DNA  
 <213> Homo sapiens

<400> 71						
gaaaaaaaaag	aaaaagccaa	aaaaaaaaaga	agaagaagta	ccactgctag	gattttgaacc	60
cagatctagc	tgactcaaga	accatgccct	atctctgtgt	ccatgttggtc	accacttaat	120
cacttgtatt	ttcccttcag	gtttctctgt	atgctgtgtt	ctctcccaag	agtggctcttc	180
caactcaccc	ctattaagga	agctttccca	agccaggagc	ttacctttcc	gtgcacacat	240
tgaatgatga	tcatttgtca	ttctgtcttg	ccttacaaaa	gaggaccagc	tccttgagga	300
taggaacctt	gtccttatct	ccctgttccc	ctgtatgggg	gccagctcct	ggcaggtgca	360
tagtaataaa	tgagtataa	acttggttga	aagaccatgc	aggaaccaag	caactctttt	420
cctctgcctc	aatgcagtta	gttcaagaac	ttactaagaa	aagagttgtt	ggccaggcac	480
agtggcacag	gcctgtaatc	ccagcactgt	gggagaccaa	ggcaggcaaa	ttgcttgagc	540
tcaggagttt	gagaccagcc	tggacaatat	ggcgaaaccc	catctctatg	aaaaattgga	600
aaagtagcca	ggcatggtgg	catgcacctg	tgggtcccagc	tactttggag	gctgaggtgg	660
gcgaatcact	ttagyccggg	gaggtcgagg	atgcagtgag	ctgagattgc	gccactgaac	720
tccagcttgg	gcgacaaaat	gagaccctgt	ctcaaaaaaa	aaaaaaaaaag	aaaaaaaaaa	780
aaaaaaaaaaa	ctcgta					796

<210> 72  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (528)  
 <223> n equals a,t,g, or c

<400> 72						
ggcacgagta	aaagggtgcca	tctatgaatc	agaaagtacg	cccttaccag	acaccgaatc	60
taccagctcc	tggacagaac	agactaagat	acattccaag	aagcagtttc	tttgagagaca	120
gaggcgtaac	tgtgcatatg	gacaaggttt	atatttctgt	tcaaagtggc	catccatatg	180
cttctaggct	tcctttgtct	ctggtatcaa	gtgtatgtat	gtatgtatgt	atgtacttat	240
ttattttatt	atttattatt	ttctcttttt	tctctgcccc	atatgatctg	caagaaaagt	300
gtcaagttta	taatgagctc	cccaaagcca	ccatctgggt	agcctcacat	ctttttcatc	360
ccctgtgcct	cttccctgct	tttgtcctac	tctagccaga	ctcgtgccga	agggggggcc	420
ggtamccaat	tcgncctata	gtgagtcgta	ttacaattca	ctggccgtcg	tttamaaagt	480
cgtgactggg	gaaaacctgg	sggtacccaa	cttwaatcgc	cttgaagnaa	at	532

<210> 73  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 73

ggcacgagct	ctccagcacc	tccttgggaac	agatgcacctg	ctacttttaca	aggcttgtgg	60
aaaagagaaa	gagaacagta	gcaaaaagcct	gtgtagtcca	tgaatagaag	ttagcatcgt	120
agtgagtaag	cagtactgat	gatctgtgaa	atgattctct	gtggacttga	gcatgctaaa	180
aagatcttga	aaaaggaaaa	cataaatctt	tccaaaacct	cacatgaccc	ctgtatgctt	240
tcgccttctt	gaagctttgg	aggagagcat	aggtgtggat	gaaatggagt	ctttttaaag	300
ttgttttgg	ttttgttttt	gtgtgtgggt	ttttaagag	agcatatcct	gccacgtaga	360
agaaaaatcca	gggggtggct	gtcctcctac	aggaaggagg	taaacaagca	tttttcctta	420
agggtcttat	tccctcagcc	tcgctccctc	gaaggccaca	cttggaggcc	aggaagttaa	480
tccattaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	540
ctcgta						546

&lt;210&gt; 74

&lt;211&gt; 715

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 74

ggcacgagct	ttccctcagt	ccaatcttgc	aattgctatg	tcagtttcag	ttcacaataa	60
taccagtgc	gacatggctc	cttaagattt	tctccttttc	cctcacgcgg	gtcccaattc	120
taaattccca	agggctgaca	tgattgacat	ttgccatagc	ctgaggaggg	agcatttcct	180
tttgtggtct	ttccttggtt	tgttttattg	ggcagtgaat	ggcaagtctg	tctgtgtttc	240
tttgcttcac	cccaaacc	ttggcaaaaa	tgaaagcctt	ctaatttagc	tgtgtcctcc	300
tttacttatg	tcaggaagcc	tgagccataa	cctttgatta	aaaaaatttt	tttttgtttt	360
ttgtttttga	gacagggtct	tgctctgtca	cccaggctga	aatgcagtgg	cacgactgca	420
gtcatttgca	gccttgacct	cactggagtg	tagtggcatg	actgcagctc	actgcagtcc	480
caagtagctg	gcacttacag	gcaggtgcca	ccatgcctgg	ctaattttta	aattttttgt	540
agaaacaggg	tcttgctggc	tgggcacggg	ggctcacacc	tgtaatccca	gcactttggg	600
aggccaaagc	gggcgggatca	cgaggtcagg	agtttgagac	cagcctggcc	aacatggtga	660
aatcctgttt	ccactaaaaa	taccaaaaaa	aaaaaaaaaa	aaaaaaaaaac	tcgta	715

&lt;210&gt; 75

&lt;211&gt; 406

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 75

aggttttcca	gaaagttatc	agatcttgct	ttcctgatta	gcagcagtta	gcgggggtgga	60
taaaagcacc	ccttcagagc	aatctcattt	ccatttcttt	caggccactt	attttttcca	120
actttttttc	cgtatcttca	taaatgtttc	actcttcttt	gtagtatttt	cttagtctct	180
tgagtcaaga	aataatttact	gagtatgatt	gcatgcataa	gtagtgtgcg	ttagagatac	240
gatacctgta	agacaccaca	gtgctgggta	gatccgggtg	ccattgtctg	ttgccagggc	300
cgaagttggc	atttttgtaag	tgttcgaata	agcaccatgc	cgtgggataa	gaaataaaag	360
tgtgtgcctc	atctgtaaaa	aaaaaaaaaa	aaaactcgag	gggggg		406

&lt;210&gt; 76

&lt;211&gt; 542

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (429)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

<221> SITE  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (510)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (518)  
 <223> n equals a,t,g, or c

<400> 76  
 gatcttaagc attttttaagc acccctggat agctctcaat gacaccctgc gctggctgtc 60  
 ctggagtcac ctgggggagg gagggaatgg gttgctagat ggtgcatgtc agtaatttgc 120  
 cttgggtgtt gatgacatta agtatattcg cattgtttgt caaccatcac tgccatccat 180  
 ccacagaacg cttttcctct tgcaaaactg aaactccgta gtcagtaagc aacaactccc 240  
 cagtcctctca tctccacct cagcctctgg aaaccactag tctactttct atctctgtga 300  
 gtttgacact ctacgtacct tgtacaggtg gaaccataca gtatttgtct ttttgtgact 360  
 ggcttatgtc acctagaata gtatcctcga agggggggcc ggtacccaat tcgccctata 420  
 gtgagtcgna ttacaatcaa tggggccgtcg ttttacaacg tcgtgactgg ggnaaacct 480  
 ggcggtaccc aacttaatgg cttgcaggan atcccccntt cggcagtggg gtaataacga 540  
 ag 542

<210> 77  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<400> 77  
 ggcacgaggg acaagaaggc ctttctctcg agtcggcatg gttccacttc tctgactgca 60  
 tcgggaatta cctctccttt gggccaaaga caaaaaagaa tgcagacttg tttccaggat 120  
 gattaaatta cattcagcat attcttcccg agtgcgtccc gtcttagtgg ggtttagagc 180  
 tgcgttcagg ccagctgggc tccggttacc tctaataagg atgatgatct ggaggcttag 240  
 cgataattct gcactgattc tcttgtgcct gcagaacctg tgttggccaa cttggatggc 300  
 aggggaagat caacagaagg tgccctccac ccacgtcctc ccagcgctca ccttggtcag 360  
 cctggggggc aactcgtgcc gaattcgata tcaagcttat cgataccgtc gacctcgtag 420

<210> 78  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (446)  
 <223> n equals a,t,g, or c

<400> 78  
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 tcctcgtttg taaaatgaga gttaaaatct acctcatgga atcattgcta agattaagca 120  
 agatatataa gtagagcttg tgcacatggt aggtacttgg agaattgtat ttctccttcc 180  
 ctcttactca tctggacaag tttaactaga attctaaaca gttaaaatag tatcaatcct 240  
 ttgtattaaa tatcttggtg gtaaaatgtt aaaatattga tgtgaataac agctgggtatt 300  
 gaatattcaa attaggggaa ctcttttcatt gttttaagat aacatctgta catttaattct 360

gtgccatgca	ataaaacagc	ttttcctgaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	420
tcgagggggg	gsccggtacc	caattngccc	tatagtgagt	cgtat		465

<210> 79  
 <211> 889  
 <212> DNA  
 <213> Homo sapiens

<400> 79						
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cttgtctatg	tcttttaact	agctgtgtgt	tcttacataa	gatctgcaga	ccttggttct	120
caactgcaaa	agcatattga	ttaaatgatt	actgttttta	cctgcaatac	tttaattttt	180
ggatttggga	ttaataatgt	aaaaaagact	aacatatatg	tgggattaca	aaactgtttt	240
gttagccttc	aaacaactga	tgaactgcat	caggagctgt	cttatactta	ttgttctgct	300
attaatactt	aatgcactgc	cttgtaaaga	gctgattgct	acttaaaaaa	tctgcttaaa	360
tgaaaaaacca	aaacataaaa	gaattaaacc	aaacatactt	actctcccat	agcccatggt	420
ggacagcaac	ataaaggagg	gaaatgtttc	tgttgatctt	tggcttcaag	gattaatacc	480
agatttggat	accggttagt	tagataattg	gtaaggaatc	ccataaagtt	gtaaattaca	540
taagcttcat	agcattctct	gcaggatatc	acatatattg	caattccggg	atatttcaaa	600
gctatccact	atgaaaaagc	acagatgtta	aagatagttg	cagctaagat	aaaatgaatc	660
accactccat	tcatggtact	cacaataagc	taatttttat	gcttgagatg	tcttgtcata	720
tacttacatg	ggactctcta	aaattttatc	ttatgagggc	tatcaatctg	tgaaatgaat	780
gcttaaaagc	aataaacatc	ttagatattg	gtaaacaaaa	acaagtgttt	gaggggtaaa	840
taatgaataa	agagagaagc	taaagtaaaa	aaaaaaaaa	aaaaaaaaa		889

<210> 80  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 80						
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tctgagctgc	ttaattttta	agggaaagag	aacttttaac	tcttcaacct	tttatgctgc	120
taataagagt	tccacaatca	atagaaatct	atcttggcag	gcacttcctt	ttaccacta	180
gaattttttc	ccttgggagt	tcacgatccc	cagaaactgt	gatatgagcc	attcaatatt	240
gatgtactaa	aacagtgtct	tgcttaataa	cagtttttca	acatacagtc	ttggaagaaa	300
caaaatccaa	aataaattcc	aatagtccag	taacaggaat	aaagacaact	attgcaaatt	360
aaatcttaca	gacttatatg	aaagctgttg	ttaacagctg	ggtactagtt	atttgaaaag	420
tttctcgtgc	cgaattcgat	atcaagctta	tcgataccgt	cgacctcgta		470

<210> 81  
 <211> 1090  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (28)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (43)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (54)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (95)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (545)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (863)  
 <223> n equals a,t,g, or c

<400> 81  
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 tctatataag cagagctcgt ttagtgaacc gtcaagatcc gcctgggagac gccatccacg 180  
 ctgttttgac cctccataga agacaccggg accgatccag cctccgggact ctagcctagg 240  
 cttttgcaaa aagctattta ggtgacacta tagaaggtag gmctgcaggt accgggtccgg 300  
 aattcccggg tcgacccacg cgtccgccag cctggaggcc cagacgtggc gcagcgactc 360  
 ggaggttcgc ctccagcttg cgcacatctt gcggccgggt cccgatgagc ctccctgttg 420  
 ctccgctggc gctgctgctg cttctcgcgg cgcttggtggs cccagccamr gccgccactg 480  
 cctaccggcc ggactggaac cgtctgagcg gcctaaccgg cgcccgggta gagacctgcg 540  
 ggggnatgac agctgaaccg cctaaaggag agkgaaggct ttcgtcacgc aggacattcc 600  
 attctatcac aamctggtga tgaaacacct ccctggggcc gaccctgagc tcgtgctgct 660  
 gggccgcccgc tacgaggaac tagagcgcac cccactcagt gaaatgacct gcgaagagat 720  
 caatgcgcta gtgcaggagc tcggcttcta ccgcaaggcg gcgcccgcag cgaggtgcc 780  
 ccccagtagc gtgtgggccc ccgcgaagcc cccagaggaa acttcgggacc acgctgacct 840  
 gtaggctccg gggcgccggc ganctgggac ctacctgcct gagtcctgga gacagaatga 900  
 agcgctcagc atcccgggaa tacttctctt gctgagagcc gatgcccgtc cccgggcccag 960  
 caggggatggg gttggggagg ttctcccaac cccactttct tccttcccca gtcactactaa 1020  
 attccctcct gccttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080  
 aaaaaaaaaa 1090

<210> 82  
 <211> 698  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
 gtctagttta tgtttttcca ctggacaggg agctccttga ggaccttgct ttgctcgtctg 60  
 cccccaccct aaaacttgct gtaaagcagt tcctggaaca gagcagggtgc tcagtagtac 120  
 ttggttgcagc aatgaatgaa tgaatgaata ggttttctctc ttttagacac attgggagat 180  
 gggcctatgg tttcctatgc tcattttgac ccagagattt gtgtcctgtg actcacatcc 240  
 agacccaaaa cacacacata cacacgcaca cataaataca cacacacaca gacacgtgca 300  
 cacacagaca cacatgcaca cacacataca cacaccttgg tttgaagaga agaggggatgg 360  
 gaacagacat tctacgcatg cctacagtgc accactgtgc ataggtaact gatgctgtat 420

aagcactcaa	ggattatctc	catttttagc	cagagaaact	gaggcttgct	ttctgctgtg	480
tctccagtgc	ctagcactgt	gcctggcata	aacatctgct	gaactgaatt	gcactagatt	540
caagaggctc	agaaaacagt	tcaagggtcac	ccaactagca	agttgtggag	ccagaatctg	600
tgctcagggc	tggttcagtc	ccagccagtg	ccgggtagca	gccataggca	cctgcacaaa	660
ctccagcgac	ctcgttaact	tccaaacacg	gtctcgtg			698

<210> 83  
 <211> 868  
 <212> DNA  
 <213> Homo sapiens

<400> 83	
cacgcgtccg	60
ttcattttccc	120
cttatatttgg	180
gtcagatgtc	240
aacttcattg	300
ttagcatcta	360
tgcttctgtt	420
gcaaaataat	480
atgttacact	540
agtatcctga	600
cttccccctgg	660
aacatgaatg	720
cagaactttt	780
tatatattaac	840
tgcatatatt	868

<210> 84  
 <211> 629  
 <212> DNA  
 <213> Homo sapiens

<400> 84	
ggcacgagaa	60
gcagactttct	120
gagcctcctg	180
aaattttctcc	240
ggagccagga	300
ctgatgactc	360
gtcctcagga	420
cttcagggct	480
gccctttcca	540
gttggaattt	600
gcagcctcga	629

<210> 85  
 <211> 837  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (474)  
 <223> n equals a,t,g, or c

&lt;400&gt; 85

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atgtgcccct	ccccggatcat	atgggtccct	tctggcccct	gcccagctta	tactctgtcc	120
gatcctcaca	gtcaccctgt	ccqctttgct	tttctttgct	gccactgcag	gcccacctca	180
gcctcctgca	cactctcttc	agatcagcct	cccaatctcc	agcgtctgga	gtgttctggg	240
gctgcctgag	agagagacat	gaatacatgt	caccctgcct	tcctcacatg	taccagaagt	300
ttgatttttt	tttttttttt	tgactgagtc	ttgctctgtc	accaagctgg	agtgcagtgg	360
cacgctcggc	tactgcaac	ctccacctcc	cgggttgtag	cgattctcct	gcctcagcct	420
cccagtagc	tgggattaca	ggcatgcacc	agcatgccca	gctaattttt	gtanttttag	480
tagagacagg	gtttcaccat	gttggccagg	atggktttga	tctcttaacc	tcgtgatccg	540
cccgcttgg	cctctcaaag	tgctggaatt	acaggcgtga	gccaccacgc	ccggccctga	600
ttattattat	tattatttta	aacaataatc	tgggccaggc	acagtggctc	acacctgtaa	660
tcccaacact	ttttgggagg	ctgaggcagg	aggattattg	agcccaggaa	tttgagacta	720
gcctgagcaa	catagtgaga	ccctgtctct	acaaaaagta	aaaaattagt	ccaggcatgg	780
tggcacatgc	ctgtagtccc	agctactcag	gaggctgaga	taggaggatc	actcgta	837

&lt;210&gt; 86

&lt;211&gt; 903

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 86

ggcacagcct	tccccctgcc	cttcctgcct	ggctcactcc	tggccaccct	tcagactcct	60
ctctctgcct	cctccagctg	gcgcctcact	tggatgatgg	cgtgtctgtt	ccatggcccc	120
tcccagaggk	acttggtttc	tcctgctgtc	attgcgtctc	ccttacgggg	ccgcatgctg	180
ggttttctta	ccatttcctg	catcctgcag	agccgagggc	gtggcagcac	caatcaagtg	240
tagtaggaat	gagtaggaaa	caagcatcct	tctccatggc	acagaargga	gtctgtcacc	300
ttggaaaagtc	aytcaagaga	ggatccaaga	aagcgtcttg	ccctamctac	ccctccttta	360
gcaagtgagg	atcttcgagg	graggggagt	ttccaagtca	actggtgaca	aagccaggat	420
gagaagacac	tcccagacca	ctgtggctaa	tgacacacac	tggccggcca	tgccatctgc	480
cagcgctgga	ggtggccgct	caacacagga	aggatcaagg	catgttagca	gctccccac	540
ccagcagggg	aaagggaaaag	acttgcactg	gggagcagtt	ttatttattt	ttatttattt	600
attattaatt	atttttagat	ggagtcttgc	tctgtcaccc	aggctgatgc	agtggtgaga	660
tttttagttca	ctgcaacctc	tacctcctgg	gttcgagcga	ttctcctgcc	ttagcctcct	720
gagtagctgg	gactataggt	gtgggtgggc	atgccggtaa	tccagctac	tcgggaggct	780
gaggcaggag	aatcacttga	acctggaagg	cggaggttgt	ggtgagccga	gatcacacca	840
ttgcactcca	gcctggacaa	caagagtga	atccgtctca	aaaaaaaaaa	aaaaaaactc	900
gta						903

&lt;210&gt; 87

&lt;211&gt; 725

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 87

aggttctaag	catttttgctt	gacctgactc	atttaatcct	cacaaaactc	tacaagataa	60
gtatatcttc	actactttac	aggctaaaaa	tctgaggcac	agaaaagtta	ctgaagctcc	120
aaggctcacac	tgtgtaccat	aagtggaaga	gctaggatgc	aaaccaggc	agccgggttc	180
cagagcagtg	ttctaactac	taccctctgt	tgctctcat	tcattccatg	accttctttt	240
gtcttaccta	cactgggatg	tgtttgggac	atgcattttg	cttgttgcta	tctcattctt	300
gcagaatgca	ttgtacttgc	tatttgtgtc	tattcacagt	tcaggttttg	ccaggcaagt	360
acaatgaagg	aggagagggg	caaaggaatt	gaggggtgct	acaagggagt	agttagagag	420
atggatgtga	aatctaagct	gggcaaatg	agaagtaagg	acatgatata	ggtgatgggc	480
agtaaaaaata	tgtaattgtca	gcagttttaa	ggactggatg	gggcagatat	taattggagt	540
tgcaggacta	aaggagtcca	aatatagga	aatgaatacc	agagacagag	agagggctga	600
agtcaaaatg	ttggaggtgg	tacttattat	taacaacaag	gtctagagga	tgaccgcaga	660
attgggggtcc	aagggtgacac	atggctgaca	gctgtcattg	accacactgt	aatgcagaac	720



tcgta

725

<210> 88  
 <211> 606  
 <212> DNA  
 <213> Homo sapiens

<400> 88  
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 catttcattt catatgcatg tttccagggt gtattctctt gtgcaatctg tgtatgttct 120  
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 tatcaagggt agattttaat tttgcaacat attttgtggc ataatcagggt ttaaaatgct 240  
 tgaagttacc atatatgtaa attttttctt catgttcttt gcatttaagt gactggaaga 300  
 gttcattcct tccactgaaa tcactgaata actaccttgg ctacttggtg ccaatgatga 360  
 aggcatacata tttatacccc tcaaaggatt cacagtccag gaagaagcag acaaacgaag 420  
 actttcataa gtgctatgga gagccaagga accatctcga tctgctggga attcctgggg 480  
 caggaaactg aggatgggac tgtgggtccaa ggaggcagac tctgaccagg ctgggacagg 540  
 gaaggggagc gttcagggtca aggtggtcgg ccttctgtca gagcatactg cattacagta 600  
 ctcgta 606

<210> 89  
 <211> 1142  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (39)  
 <223> n equals a,t,g, or c

<400> 89  
 tgaacagtgc aggtagatac tggactgggg gcagatctna gggagagggg ttttaagtagt 60  
 gggaggacac tggggatagg ggcttggggc tatttacctg ccattttaag tagtttgcta 120  
 ttttagcagc caacaataac tattggtgct gaataccagc cctgcagtgt agcatgagac 180  
 aggtccatgc acacatgcat taggaaaaca ccttcatgaa gcaggattct gcctgggctg 240  
 atgcacacaa cctctatgga ggggtgaaaca gtgtttctga agaccgtagt ttgggaaccc 300  
 ctgacatatg agcaatgccc ccttagataa gctcaagtta caggaatgty tgaggggtgga 360  
 aggtgtggat atgtgctttt gcctgtytcc ctcttacagt gtctggccat ggggcataaa 420  
 cactacccag cagtaggtag gytggccaag agaagccagc ttgcatcacc agcatcatct 480  
 aggggaatgga atcatggcag taatacgttg cttaggaaac aaaagctcta tggacacatc 540  
 ttccaccttc tcagtcccag aaaccrtatg tactgtgacc ccgctcayta ggcccagccc 600  
 tcgggaagag tgtgggccct tgaaaaggga agactgagt agcaaaatga tgagaaaact 660  
 acaaaatggg cagaggctcag tctgacacat tcattctctg tcaagctcag gaagtactgg 720  
 tccctgatct tggagatgct gtgtgagtgg cagggggact cctgctgggt aaatattcta 780  
 tatgtggatg cctggacagg cccctatccc aggccctgct tgtcagaagc tccccttggg 840  
 ccgagcgcgg tggctcacac ttgtaatctt ggcactttgg gaggccgagg caggtggatt 900  
 gcctgagttc aggagttcaa aaccaggctg ggcaacatgg tgaaaccctg tctctactaa 960  
 aaaaaaacta accaggcgtg gtggtgcatg cctgtaattc cagctactag ggaggctgag 1020  
 gcaggccaat cacttgaacc caggagggtg aggttgagc gagctgagat cagccactg 1080  
 cactctagcc tgggcaacag agcgagactc tgtctcaaaa aaaaaaaaaa aaaaaaactc 1140  
 ga 1142

<210> 90  
 <211> 596  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (28)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (57)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (61)  
 <223> n equals a,t,g, or c

<400> 90  
 gganaaccngc tttgcccctt ggtttcnca aagctcgaat ttaccctcac taagggnacc 60  
 naaagctgga gctcccaccg cgttggcggc ccgctctaga actagtggac cccccgggct 120  
 gcaggaattc ggcacgagtc ctgacctcag gtgatccacc cacctcggct tcccaaagt 180  
 ctaggattat aggccttgagc tactgtgccc ggcccattgt gtttttcttt agggctcttc 240  
 ctacagcctt gagaagtaga taggcatcag agtatggtac tataggaatc agaaaaattc 300  
 aaaacaaatg tggattaagt gtttaggctc tatgtggctc acgcagccag aatccttaag 360  
 tctgtgtgtt tctgtgtctc aagactgggc tcacattctg gctttgtcca taacaatgct 420  
 ctgggatttc agggagttcc ctcatttgta aaatgagggg gtcagagcag gtgatatcca 480  
 tgtttcttcc ctttctgata ttgttgctcg tggcatattc tttgtatggc gaatttaata 540  
 aattatatta atgtgtctct ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa ctcgta 596

<210> 91  
 <211> 633  
 <212> DNA  
 <213> Homo sapiens

<400> 91  
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 tgccctgtgta gccaacacag tagctcctct acattacaag gatatgatta ttcttaaact 120  
 tgtcgatgat ctaggaaaag taaaaatcac taagtcagga tttctcactt ttatggacac 180  
 ttggagcaat ccactggagg aacacaatca ccaaagtctt gttccatttg aaaaggcgca 240  
 ggtgcccttc ttgtttattg ttggcatgga tgatcaaagc tggaagagt aattctatgc 300  
 tcagatagcc tctgaaaggc tacaagctca tgggaaagaa agacccaga taatctgtta 360  
 ccagaaaact ggtcactgta ttgaccacc ttattttcct cttcttagag cttctgtgca 420  
 cgctgttttg ggtgaggcaa tattctatgg aggtgagcca aaggctcact caaaggcaca 480  
 ggtagatgcc tggcagcaaa ttcaaaactt cttccataaa catctcaatg gtaaaaaatc 540  
 tgtcaagcac agcaaaatat aacattgtag ccacagacca gataccatta ataaaaatcc 600  
 tattcataaa aaaaaaaaaa aaaaaaactc gta 633

<210> 92

<211> 725  
 <212> DNA  
 <213> Homo sapiens

<400> 92  
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 ccttttatatt tcatatatta aatatccatc aacattatat aggggtcttt aaacattatg 120  
 taacaagata catattgaat gtattacact gcagcttgcc ttttcatttc agtggtgttt 180  
 ttaggtttat ctgtgttgat aagcgttgct gtagttcatt ctttttttaa acattgtata 240  
 gtatttcatg atgattaaac cacaatttat ttattctcct gttgatagac aattaggatg 300  
 ttttcagttt tttgctgtga caaatactcc cgttatgggc attattttgt ctccttttta 360  
 catagataca aaagtttccc tacggtatat accaagaaat ggaatttctg agtttttagg 420  
 gtatggacat tctcagcttt actagatttt gcctagttca tctccaaaac tgtggtacta 480  
 atatactttc ccaccagcag tatataagag ggctgtttc tccacatctt tgttaaaact 540  
 atatatgttc aaatttttaa attttgccaa tctgggccag aactggggc tcacatctgt 600  
 aatcctgtaa tcttagcatt ttggaaagca gaggcaagag gatcgcttga ggccaagagt 660  
 ttgggaccag cctgggcaac agagcaagac cccgactcta caaaaaaaaa aaaaaaaaaa 720  
 tcgta 725

<210> 93  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
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 gctcaagtcc actttcaaaa atgtcagtgc tcaccaacag tgggtgaaaa ggctgcctga 120  
 cccagcttct cagagagcca gtgcctcaaa tccaatgcat ggcaattgct ctggggcccc 180  
 tggttttaag ctggctttgt tatttggtgc tgacactgga aagcctctgc acaacaaga 240  
 tggcaagtga tgagccggtc agtcatcact gccttcccag actctctgaa ccacccttga 300  
 cattctgcct ggaagcaggg ggcttgggtg aggtgggtga cctcttgaag tcccggggcca 360  
 ggctgtgat tctgtaatct ttgctttacc ataattaggg agggaggcag aagagcagga 420  
 ggagaaacca ttattactt ctctgggatt ttgacagctt ggaaaaagag agagacagag 480  
 aaacagtcca gagaaggagc cagccacagt gagtttaacc tctcagtaaa ataaaaatgg 540  
 gctggacgca cctcatcagc tgccctctgt caatacccg gcccctctgg caggactcgt 600  
 a 601

<210> 94  
 <211> 692  
 <212> DNA  
 <213> Homo sapiens

<400> 94  
 ggcacgagct aaaagagcta gtttgagtaa gctgtgtaag acagctgctg ctaaatagaa 60  
 ccaaatcac ctgcctatgg ccggccaccc agtggttctt ctgctcatcc acctactgcc 120  
 cttagacttc agcatgggct ggaccagac cccaggatct aacaactggc gacgaggatg 180  
 gaaggaggtg agtgggtctt cagccctga gggctccccg gacggctacg tggccgcagc 240  
 atgagctgtg gtaccgggtc gcagtgggtg tgcttggtg agccccagt gaaacatggg 300  
 aggcaagtga cagatccccct atgagtgtgg agaaggcgct gaatcacctg gaaatgcaca 360  
 gcattgaaag gaacatacct ttgccagcag agtcagatgg gcatttgoga ctatgctgag 420  
 ggaaatgaat gcccaatccc tgcaggatgc agcgcaggga ggaggaacct ccgttgccagg 480  
 cttgcccggg agtccgtcag aaaatagagc atgaacagct gttggggccc aagaggaggc 540  
 ccagagaccc cccatcgtgg tggaaacacat ttcctatggt gcctgtgtcc ccgctgaatt 600  
 gagggagtta agcaactaat gtcgccagtt gtgtacagac ttagtgcaag tcattcggga 660  
 gaaggacatt tgcgcaacct agtcctactc ga 692

<210> 95  
 <211> 1005  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (506)  
 <223> n equals a,t,g, or c

<400> 95  
 ggcacgagct cgtgccgttg gttttccctc tgtctgttca gtgggttctg aacattcttt 60  
 gatggctgga tcctactcct ctgacatctt agtggttgga agatcttgga cctcctcct 120  
 tctttctgtt ttgaggttgc agaccgttgg ctcatcagtc acactggact cacagggtggg 180  
 tattatttgg cctgcagttt tcaaaatagg aaatcgtgtt aaaaaacaaa atcaaatataa 240  
 agaaaaacga caacaacaaa accaaaactg aacttccaat ttatcttgga gaattagcag 300  
 acctagtaaa atgagttctg tattctcata tggcaataat tttctggagc tgagtacctg 360  
 cttcttgggt cattcttaat caactcattc tttccaaaca tcttataccc agcctgtgtc 420  
 attcatttag gtgagctgac aaaggctagt aggaatataa atttatgacc cttagtttat 480  
 actctcccca gtggatctta tttaantacc cattwaaata ccatatgctt taaaaagtct 540  
 tctttcataa cattgagtgac acacaatatg ccctgaacta tgtaccagac actggggata 600  
 cgcggtgaat kacgcaagtc actctacttc caaagaactt accttctata gaggggagac 660  
 acacacaaca gtgataacat aaagccaaat aatatttggg ctgggcgcag tsgctcatgc 720  
 ctgtaatccc agcacttcga gaggctgagg cgagcggatc acgaggtcaa gagattgaga 780  
 ccaacctggc caacatgggtg aaatcctgtc tctactaaaa atacaaaaat tagctgggtg 840  
 tgggtggcagg tgccctgtaat cccagctact tgggaggctg aggcaggaga attgcttgaa 900  
 cctggggaggc gaaggttgca ttgagccgag attgtgccac tgcactccag cctggtgaca 960  
 gagcgagact ccactcctaaa aaaaaaaaaa aaaaaaaac tcgta 1005

<210> 96  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
 gggatctgtg taagacaaaa ttaatagctg tatctggagt actctaaatg tggatttata 60  
 cactaaccta tatattgac aattcctcta tgcttgcttt ggttttgagc aaattatatt 120  
 taaataagtt tggtagtagg aatgtcttaa aaagctactc accctttttg ttagaagtaa 180  
 gtaaagtatt atgtcaggac ctgccattaa cttgggtatag tacgaatata tcctcagaat 240  
 actgataaaa tggtagtctc tgaaacaaat cacaaactgt caatatgttg gtgatgaatt 300  
 tcttctgttt tcatttggat cagtagtggg gcagttcacc aagtgtgaga tcgacattta 360  
 atgttttcat gaaatgcaaa cccatcagtg gctaatttgt taaaaaatag atgttgggct 420  
 tttcttaagg ctaaattggt cccatttgtt ttagagaaca actcacttag cctatgagtt 480  
 tatgcaattt ggcagaaagt gaaaacatat ttggaagtat tgaaagtcac tcattgttga 540  
 tcttttatat tggaatgycc aaggttgcat catcagagtg tcgttatgaa aaaaaaaaaa 600  
 aaaaaactcg ta 612

<210> 97  
 <211> 670  
 <212> DNA  
 <213> Homo sapiens

<400> 97  
 gctcgtgccg aactcgtgcc gacgaaaagc tgccaagttg aaaatggacg agtaatcgcc 60  
 tgcttttgatt cattgaaaaa ctaaatctcc ataccactt catccgtgtt tttggcttat 120  
 gtatgggatg ctagaatggc ctatctccat gtattttgtt gcatttctcc attgcttctt 180  
 gtgttctggc gggaatcttg gtgattcttt tcaagcacta cctgagctct gtgccaattg 240

ttcctcttct	cccaggggtg	tgtgctgcgt	ggatcatgtct	ccacttcctt	agccctgtcc	300
attgacagaa	ccttggtgtc	tgtgatggct	gcctctaaac	ccttggtgaaa	gcggggaata	360
ttcctcccc	tgctgctaca	gttgagcacc	gtgctgggta	ccatggtgcc	ctctacactt	420
gctttcagtt	gttaaggctt	cccaagcttt	ggctgtggct	cagtgtcctt	gctgtcaaaa	480
ccctgaaact	ttcctagcct	ggacactcag	tggtagcagc	aggtgttggg	atttctccaa	540
gcccctaaga	ctctgggagg	aagagaatgg	ctgtttgaca	tagacctcag	gagttttcaa	600
agcaccaaga	aacctctcca	gaagatatgt	aaagatttta	aagggaaaaa	aaaaaaaaaa	660
aaaaactcga						670

<210> 98  
 <211> 619  
 <212> DNA  
 <213> Homo sapiens

<400> 98						
gcggcacgag	tgatatttca	cgtcacatgg	ctagttagtg	ggtaggcctc	tcttcactta	60
ttacacttct	gcttctaagc	tgtgttcttt	cctgtattac	actggaggaa	ggagaaaaag	120
aacttgtatt	tggtccttga	ctgggtggaa	tatcctttaa	tgtggctgta	aggacatggg	180
tagaatactc	tggtcaattc	atttcttatt	taaatagtga	caaaggatatg	tccatgttaa	240
ccattttctca	cttatgcttt	atacataagg	atggcttata	gggaatgttg	ctttattata	300
tcacttaaaa	tgtttggtca	ggcaatagtg	actcatgcct	ttaatcccag	tacttttgaa	360
ggacaagtca	ggaggatcgc	ttgagaccag	gaactcagga	ccagcctgga	cgacaaaaca	420
ggatctcgtc	tctacaaaaa	ataaaatagt	cgagtgtggg	gatgcagtat	tgtagtccca	480
gctattttggg	aggctgaggt	gggagtatcg	cttkagacca	ggagttcaag	gatatagtga	540
atgatgatcg	ctccactgca	ttccagcctg	gacaacaaag	caaaacccta	tttctaaaaa	600
aaaaaaaaaa	aaactcgtat					619

<210> 99  
 <211> 703  
 <212> DNA  
 <213> Homo sapiens

<400> 99						
gcttggttac	gtttatagct	tcaacacgcc	tctcattkta	ggtttatata	tgtgtttgct	60
tgctcattta	ttttgtcatc	atttgctcat	tttattacca	gttattgagw	gcctactgtg	120
taccaggcac	tgggcaaggg	gcattctgtg	agagagggtta	tggtacctgc	gggcttaagt	180
agtccgtggg	cttgtgagga	aaacgctaga	ttagatcttg	attactgtaa	atgtcaarta	240
tggccaagtg	tgggatttcg	tggcaggagt	gagctttcct	ggaatttgct	tttcttgctt	300
caatttgccct	gatagtcatt	tcattgctagg	gatgttttaa	agtctctggg	gaggccctgc	360
agtgtgaggg	aaaatgctga	tccacaccag	aaatgcgaac	ctggctctct	gcccttgggc	420
aagtcactta	accctcctga	gcctcagttt	ccatctgtca	cttagagctg	attataccta	480
cttaacacccc	aggctttttg	tgaggggcat	tatctcatta	gagataatgt	ttttaaaagc	540
tctttgtaaa	ttgtgtagca	ttcaaattgga	agttattggt	atttttatta	ttgagtgcct	600
tctaattcaa	cactgggata	gtaacaaaag	aagagagggg	ttattatcac	ccctcttccc	660
tgtcacgttt	agattggggc	aaggaaaggt	tctcaccctg	cga		703

<210> 100  
 <211> 762  
 <212> DNA  
 <213> Homo sapiens

<400> 100						
gtttttctcc	ttcttagtat	cttttgcata	tagaaaaata	ttactatgaa	attatagatt	60
tgacgtgcaa	aggctatttc	ttgaatttta	ttaaaatgca	aaaagatgca	tccatgtctt	120
ctctaaaagg	actgcgtatt	cctccacact	tggggaaatg	cagcttgtgc	tatttcacag	180
gctcatcatg	cccctttttt	ttgccaggac	gctggttgat	taatgccatg	cttggggagt	240

gctccagcca	gaaatgaggg	ctatcgctg	tggccaataa	cagagcagat	tctcaataaaa	300
catccccctg	gtgttacact	taatggggct	tgcttttcca	aactgctccc	tttcctgggc	360
tctgagcagc	tgagccgaga	gctcgtaagc	tctgctgccc	cagaacattg	tgcatctcyt	420
gattttgaaa	artctttcct	gaagsctcct	cttgggtcat	tggatcagcc	caagagcaaa	480
ggatttaaaa	gggccaattt	gatagggaca	gctcatagcc	ctgtgtaaga	ccactgggca	540
tttttcctgt	ttggggaaat	ggttactgga	ttagcatttt	gctgtacagg	gcggtctgca	600
agaatgtgtg	ctcttgccctg	tcctcaaagc	aggcttgtga	ggagctttct	gttcccagcc	660
ctgccatttc	ctcccaattg	gctggggccag	atgctccaga	cacagttaat	gagatgctga	720
gtgaaacaga	gccgctggct	cacatggcct	cagcctcctc	ga		762

<210> 101  
 <211> 650  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (497)  
 <223> n equals a,t,g, or c

<400> 101						
ggcacgaggt	gtcctgcccc	ccccagtgcg	ggtcagtaga	aggccagaag	caggggatgg	60
gagaaggcag	gtgggagggc	gtgacagcgg	cgaggatgag	gaaggcagcc	aggcctgcag	120
gcagccctga	gagcatgaag	cagaggggtg	agcaggttcc	cctcctcctg	ccacccttgc	180
tcctctctac	caggctctgg	ccttgctggg	gtgtaccac	agaatctgta	ggctctggcc	240
tagccagaaa	gagtgtgggt	gcttctcagg	gtcataatta	ccccatgccc	cacagggtgt	300
gagtcactgg	tagcagagtc	ctccccaatc	ccccccagaa	gagtgtgggt	aaaggcccgg	360
gccactgggg	tgtcgagagt	gccaggcctg	acctactggg	ggtggtgtca	gtaggggcca	420
tataccctgt	tctcamgaca	accccaggcc	aactcagatt	tgtggagcgg	ccatcccacc	480
tccttccggc	tcttcancct	cacaggagcc	tgggtgggtcg	ggaaaactga	ggcctagaga	540
ggcaaaatga	tgatacaatg	aagagtgagt	acatgtggaa	caccctctgt	gcctcacact	600
ccactaagct	cctcacacca	ttcacttact	caggcctcac	cggcctcga		650

<210> 102  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<400> 102						
ggcacagctg	atgttttaaaa	tacacgaaaa	atcttgtaac	cctatttttg	catatctttt	60
tcttcttctt	tttgggtttt	gtttaatatg	gaagtggaca	gtgcctctct	tgacctctgg	120
aaggccctat	gaaaacctga	aaccgaggca	aggtgacaaa	gtctggtcat	tcagcactaa	180
gggcccgcctc	agattacttc	tttacttaga	aaaacaaaat	gttggtgcaa	aagattcaga	240
gtcacaaaata	ttcttcccgg	gcctgtcagt	ttctgaattc	ttagattttt	cattttaattt	300
agccatcagg	gaattttctga	gactagaaat	acctaggcag	aacccaaaca	aaatctcgta	360

<210> 103  
 <211> 817  
 <212> DNA  
 <213> Homo sapiens

<400> 103						
ggcacgagct	caggttgcg	ccggagagaa	aggcctgggg	accacctgac	tctggggccac	60
ccgggcctcc	tcaggtcttc	ggccagcgct	gtcctgcccc	cggtagttgg	ggttccaatg	120
gctgcggctt	cttcctgtct	gtggcttgga	catgccattg	gccgcgtctc	tatttctca	180
tctgcgactc	gggtgaccac	agttctcagt	tcaccgtgtt	cggtagaggt	gacatgaagt	240

gcctggcacc	catgtgggtt	tcctgtggg	attctgaccc	gcttcggagc	tgccctcctgc	300
tcctcatccc	acatttctct	gtgtttctca	tcctggcggc	tgtgtcctgt	ctgcccctct	360
caactgcaac	acgtctggaga	ggtcgggacc	ctgtcttgct	cattatctgt	ctactaaaga	420
acctgcaaaa	tggaataata	acaatatgtg	ctgaattaat	tattagctta	aaatttaaaa	480
cttaagtagc	atgatttgag	tgccagccagc	atcacctgcc	gtgagatcgg	tgctgtctac	540
aggaggatgg	agcttttggg	gaaccactga	gctgggagta	gctacgggca	cctttacca	600
gtcccaaaat	gtggaacatt	tgagtttaaa	aagcagaaaa	ctctacagtt	aaaagccaat	660
attaaggttg	agtccattaa	tctaaattaa	tctgattttt	tatttcttta	aataaaaaag	720
taatcctatg	caatcaaagt	taaagtctgt	atatggctcc	ctatgaggta	ctacattccc	780
tgaagtgtca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa			817

<210> 104  
 <211> 881  
 <212> DNA  
 <213> Homo sapiens

<400> 104						
ggcagagta	tgactaataa	ggtaatctgt	ccttggttaac	aagcctgtat	ttgttatacc	60
tgtacttaaa	gtaaaattca	aactccttac	cctgtcctac	aaggctctac	ctgatctggg	120
ccctacctca	tctctaaca	catcttatgc	tattttcttt	cttggttcacc	agagccacac	180
cagctacctt	tctgtccctc	cttggttagac	ttatttctgc	tttagagcac	ccttgctgct	240
gccaccacct	gaaatgcttc	tcttctggta	ttttattttg	gtgagaacac	ctggcatgag	300
atctaccctc	taacagattt	ttaagtgtat	aatacagtat	tgctgtctgt	aggcacaatg	360
ctgcacagca	gatctctaga	acttaccttg	tataactgaa	attttatact	cattgattag	420
caacagcccc	aaattattga	aacctccttg	aagcctaaat	ttcagaaatg	ttcaaatggt	480
ttgaaaatgg	atattctgaa	ttatcttatt	agcatctacc	tataattagc	actgaaaata	540
gtaatttttt	taataaagaa	tcagttaagg	gccgggtgtg	gtcctcacgc	ctgtaatccc	600
agcacttttg	gaggctgagg	cgggaggatc	acaaggctcg	gagatcgaga	ccatcctggc	660
taacaccgtg	aaaccctgtc	tctactaaaa	aaatacaaaa	aaaatcagct	gggcgtgggtg	720
gcaggtgcca	atagtcaccag	ctacttgagg	ggctgaggtc	aggagaatgg	cgtgaacca	780
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ctctgtctca	aaaaaaaaaa	aaaaaaaaaa	aaaactcgta	g		881

<210> 105  
 <211> 655  
 <212> DNA  
 <213> Homo sapiens

<400> 105						
ggcagagctg	gtctcgaact	cctgacctca	ggtgatctgc	ccaccttgcc	ctcccaaagt	60
gctgggatta	caggcataag	ccattgcgct	cggctgagat	tagcaataat	taatgtgata	120
tgaaaatatt	ttctttttct	tcatgacaaa	ttcatggcta	atactgccag	gatttttttg	180
ttgttgccca	tattcataat	agaaggaaat	gctaatatga	aaataaagat	gtcacttttt	240
ccccaatcca	tgcaattttc	ccctaaattg	tatccatgac	ctacctgagg	gggatccatg	300
gactctcagg	ttaagacccc	tctactgaag	ggtagcagag	tacagtttca	aaattactga	360
ttaagagcgt	gggctcacca	ggagtccaag	cccagccggg	gcaacaggat	gagacctcat	420
ttttacaaaa	aatgaacaaa	attagycatg	gtggtgcttg	tctgcagtcc	cagctacttg	480
ggagactgag	ttgagaggat	cacttgaggc	tgagaggttg	aggggtgcagt	tgagctgaga	540
ttgcaccact	gcactccagc	ctgagtgcac	gagtgcagatc	ctgactcaaa	aaaaaaaaaa	600
aaaaaaaaaga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	tcgta	655

<210> 106  
 <211> 606  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (19)  
 <223> n equals a,t,g, or c

<400> 106  
 ccccccggn c tgccaggant ttcggcacga gtctctctgt caactctatt tgtattttcta 60  
 taatggaaac tcaaatttgc ctaactcaga ttgtagcact tttcttcctc aggctagtcc 120  
 taggaaaact cacttgTTTT ttgtatggaa aactagtgtt agtagaagcc tttattcttg 180  
 catagcccc aaatcagctt tttcagctat aatttagtaa gtctaattgtg ttcgactgaa 240  
 gtactTTTT tttgtaataa caagtgaataa ataataaga gtgtgtcctg gcgcatggct 300  
 cagcctgta atcccagcac ttcgggaggc cggagcygag gcagcggatc acttgagggt 360  
 caggagttca agaccagctt gaccaacatg gtgaagtcct gtctctatta aaaatacaaa 420  
 aattagccag gtgtggtagt gcatgtctgt aatcccagct acttgggagg ctgagacagg 480  
 agaattgctt ggacctggga ggcggagggt gcagtgaagt gagattgcgg cattgcactc 540  
 cagcctggac aacaagagtg aaactttgtc tcaaaaaaaa gaaagaaaaa aaaaaaaaaa 600  
 actcga 606

<210> 107  
 <211> 657  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (634)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (650)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (655)  
 <223> n equals a,t,g, or c

<400> 107  
 gagtttgtra acctatattc acagcattaa ctaatcatga ttcgccccat atttcactgg 60  
 ttatgctttg gttatcttag aaaagaaccc agggcattta tgaggtaaaa cttgcagggc 120  
 agattacagg catgagccac cgcgcctaga cttattagtc ttttttaaatg ggatgacagc 180  
 agctgggrtg tatatatctc tgcaggaaaag aaaaggaaat ggcttcacat tgctggatgg 240  
 gagcagtatg tgtgttggtt ctgggtataa tcttcctagc tgcacttttc ccatacattt 300  
 ctttctacta aaaatcatga aagtttgaat tatagtccct ctcacaggat tgaaagcaag 360  
 tatcagagga gtcattccatt caaaacacag ttcttcact gcagtatccg atatgttttg 420  
 tatgtgcgct aggtgtctt ttcattcagt ctacaataca gttcaccagt gtggagacct 480  
 tttgccctgc ctgatttggt ttgttttggt ttactcactc ttttcaatga cttttgggtt 540  
 tggccagtat gaagagtaat ggatgttgga ataccttctg ccagttaaaa aaaaaaaaaa 600  
 aaaaaaaagg gcggccgctc tagaaggatc caanttaagt aagcgtgtcn ctcnct 657

<210> 108



<211> 605  
 <212> DNA  
 <213> Homo sapiens

<400> 108  
 acgagctgga aatcaatgat cagtcataaa atcagactgg gaaactragg cacagagagg 60  
 ggcattggatt tgggcattgg tccagggttat gaagcacatc caccagggtg gcctgggtgga 120  
 gttaaaggcc atccctactg ggcaggatgt gctgggtgcca gttgggtgag ttcagagggtg 180  
 gttgggagag agaaatgctc agagctctct gtctgtctac ctgtccctga ctctcagtgc 240  
 cagcaccacac ccaccccatg gtcccccactc atccggggagc ttacagcagc ccctccacct 300  
 ctatccagcc attttctcta gccataacat tggtgactgg caaagtgtcc cagcacaagg 360  
 cctggcacac agttgggtgct tagtggttgc taaatgaatg aatggattaa taagaacgaa 420  
 tattgtgcag aaaaagtaaa ttcttctgga cacttccagc ctatatgtgg aggggacaaa 480  
 gttttttgtt gttgttgttg ttgttgttgt tgtgtttttt gagacagtgt cgttctgttg 540  
 cccaggctgg agtgcagtgg tgcgatcaca gctcactgca gccttgatct cctcagcctc 600  
 tcgta 605

<210> 109  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 109  
 ggcacgagcc aacagccggt ttgaaggtag aggagagaga tgttgtggta tttkttcccc 60  
 accacccac tccctgccc ggtgcagttt tgggtgggtgcc tgtgttgctg ctacatccat 120  
 ggctcctggt ggggaccct ctcccaaagc tccagctcct gcaatgcttc agtaactgca 180  
 ctacagctcag gctgtttag acctagggcc agcagtcoca cagtgcctca ccctcgcttg 240  
 ttccctatgc ctgcccacac atctgtaaat agtcccttca tttcacatcc ttcagttaga 300  
 ccctttgagt atgccatctg ctcccggtca ggacaatgat tgattctatc tgaatcaaac 360  
 ctgtccttta tttgaacagg acatcaagtc tagaaaaaca agttaacacc ttgagataac 420  
 aaacaaatcc agaatttggg accatttact agtctgggtc tttcaaagggt caatgttata 480  
 aaaaaaaaa aaaaaaactc gtag 504

<210> 110  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<400> 110  
 gctaaaaattc aacaaggtag gtggccggca gtggaaggct gttgctcatt ctgattttctg 60  
 ttggctctat ttcattgctaa mccagttttt tttgtttgtt tgtttccact ttataacata 120  
 tggattttcta tgccacacta cccgtaactt tgaaaaataa ctttaggctg cagttttcag 180  
 caaacaggac agtccttagc tgccacatag ctcaacataa agtgcacaaa aaacttcacg 240  
 gtgggacagt gaatcataaa ttcccaaact gacgtgtgtc tacagaacag atgagaactg 300  
 ttactcagtg tgtatcttag gagcttttct gcagtttctt cacactccgt cacattttaa 360  
 atgtggacac ttgtttatct cattagggag gaggcgaggg actaatgtcc accctgcccc 420  
 gagtatttctg aatatcctta gtgaagagga ggaaagcaag aattctgttc taaaggccac 480  
 caggctaagc actagaatcg cattctcttc ctgtttgtat gtttatgtca gcagttgcca 540  
 cagatgtgtt aatattgttt tcctggtaga gaattaagggt gttcgttcat ctcaaaaaca 600  
 atcccgtaac ctgcacacaa aactccagct tcctaattgca aagagaagag aatattgatt 660  
 ataagctgct tgatattctt tttattccca gccctcaaa ataccagcct ggaagtctgg 720  
 acattactaa aatttaccag tctcaaaaaa aaaaaaaaaa aaaactcgag 770

<210> 111  
 <211> 751  
 <212> DNA

<213> Homo sapiens

<400> 111

ccacgcgtcc	gcggaacggt	gggagtcata	tgtcttaagt	tggaaaaaag	tttcatatga	60
ttctttccca	tttcccctgt	attccttttc	attataccct	cattccttga	acagaattgt	120
tattgttttg	tttttccatc	cacaccccta	taatgcaacc	ttcctgtgta	aatttttaggc	180
ttaagctttt	ctattcacat	acttttatgc	tgaggcttgg	atttttattt	gggctgttag	240
atgcccattt	tgacattgac	attaggggtt	tcaaacccatc	cttaaaaagg	tagatgtgac	300
ttgcaatgtt	attgaacaat	ttgatgatcc	gggatattat	ggctctatga	aatctccatg	360
gttcttggag	ctagcttgtt	tttattctgg	gaagaatttt	ctagctcccc	agcttacggc	420
ctgaatgggt	agagtcacgc	cagtgcgtgt	tgactttata	gttcaaaggg	ggtcatttct	480
gtggtcacta	tcctatttaa	cagtcatgtc	atgggtatgtc	aaggtaggtc	atcatacaaa	540
taatctgcat	tctgttttga	ctgtttttat	tttaaaaata	atatctcctc	cttttaaaact	600
ttaaaaaatt	tagtaaaagt	tagtaaaact	tcaaaaattt	agtaaaaaat	gtagtaaaaa	660
ttcacttcct	tcattatgct	ttttgaaatc	tggttttttt	tctcatttct	cccctattaa	720
tggttcttaa	aaaaaaaaaa	aaagggcggc	c			751

<210> 112

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (51)

<223> n equals a,t,g, or c

<400> 112

cgtcgcccgc	ttggagggtc	gncactagtg	gatccaaagg	antcggcacg	ngctaccctt	60
tgccmaagcc	taaacttcat	actagatata	caactgccta	ctggacatct	ccattttataa	120
gcctagtagc	ctaataagca	taacctcaga	cttaccaggc	ctcacactga	agtcatgaac	180
ttcagcccaa	cccccatgcc	agggcaaaac	cttggttgta	cctcttattc	ctctcttgcc	240
tcatcccatc	catgttcagt	ctgtcagtg	atcctgtgag	tccagtcttg	aggatagtgc	300
caggatctga	tcactttctc	ctgcctcttt	tgctgccacc	acctctggcc	tggtataattg	360
cagcagcctc	ccagttagcc	ttgctgtgtc	catacctgtt	ttccccttct	gtctgctctc	420
aacagaggag	ctagtgatcc	tcttaggaca	gaataaatca	tttaggtttt	cttcacatgg	480
tcctgaagaa	gcttcctacc	tcactcagtg	taaaaaccaa	aaaaaaaaaa	aaaaaaaaact	540
cga						543

<210> 113

<211> 846

<212> DNA

<213> Homo sapiens

<400> 113

ggagtttttt	tttcatttta	gtttatatta	aataacaaat	atttattcct	gtgaatcagt	60
agtttacaca	gataatattg	agaggctttc	ttgggaattt	gaaaggagtc	ttcaaatcat	120

cctttccctc	agagatgaaa	aaatatttta	aaaaaattac	tgtcttgat	atttgatatt	180
ttgaaaatgg	cagggaatca	acaatttggt	aatctgttgt	taagatcagt	tatacatcca	240
gtggcatact	tcttgcttta	gaaattgggt	gaaattaata	ttgctagtga	aagtgtggaa	300
atagraaacag	ttgaaaggaa	gacaaatgag	aagtggacct	tgcttctcat	gaggatgctg	360
cagaactaga	gtggttgccc	agcaggatga	aaatctcaat	taattgcttg	acagagaatt	420
aaaacaaagg	caagtgggtg	ttttaaaaaa	gataaaaata	ggtgaatata	aagttgaaag	480
gaggccaggt	acagtggctc	acacctgtaa	tcccagcact	gtgggagccc	aaggtgggtg	540
gatggcctga	ggtcaggagt	ttgagaccag	cctggacaac	atgggtgaaac	gctgtctcta	600
ctaaaaacac	aaaaattact	tgggcgtggt	ggcatagccc	tgtaatcaca	gctactccag	660
aggctgaggg	aggagaatca	cttgaacctg	gaaggtagag	gttgtagtga	gccgagatcg	720
cgyccattac	actccagcct	gggtgacaag	agcaagacta	tgtttccaaa	aaaaaaaaaag	780
caactgaata	ttggatagag	aggagaaaaa	gggcaatgta	tcaaaaaaaaa	aaaaaaaaaaa	840
ctcgag						846

<210> 114  
 <211> 890  
 <212> DNA  
 <213> Homo sapiens

<400> 114	
aggttactta	60
tatgtctttt	120
caaaagcata	180
gggattaata	240
cttcaaacia	300
cttaatgcac	360
caaaacataa	420
ataaggaggg	480
ccggttagtt	540
gcattctctg	600
tgaaaaagca	660
catgggtact	720
gactctctaa	780
ataaacatct	840
gagagaagct	890

<210> 115  
 <211> 86  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 115  
 Met Xaa Leu Gln Pro Asn Pro His Ala Arg Ala Lys Pro Cys Cys Tyr  
 1 5 10 15  
 Leu Leu Phe Leu Ser Cys Leu Ile Pro Ser Met Phe Ser Leu Ser Val  
 20 25 30  
 Asp Pro Val Ser Pro Val Leu Arg Ile Val Pro Gly Ser Asp His Phe  
 35 40 45  
 Ser Leu Pro Leu Leu Leu Pro Pro Pro Leu Ala Trp Ile Ile Ala Ala

50 55 60  
 Ala Ser Gln Leu Ala Leu Leu Cys Pro Ser Leu Phe Ser Pro Ser Val  
 65 70 75 80

Cys Ser Gln Gln Arg Ser  
 85

<210> 116  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals stop translation

<400> 116  
 Met Ala Ala His Ser Val Leu Ser Phe Leu Leu Trp Thr Pro Tyr Ala  
 1 5 10 15

Leu Lys Ser Xaa  
 20

<210> 117  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals stop translation

<400> 117  
 Met Leu Lys Leu Ala Thr Ile Leu Leu Thr Leu Leu Leu Lys Asn Leu  
 1 5 10 15

Asp Ala Gly Leu Thr Asp Lys Leu Ser Arg Ser Asn Phe Ile Thr Asp  
 20 25 30

Phe Ile Leu Thr Lys Tyr Xaa  
 35

<210> 118  
 <211> 88  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (86)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
 <222> (88)  
 <223> Xaa equals stop translation

<400> 118

Met Leu Leu Leu Tyr Leu Gly Ile Glu Val Ile Arg Leu Phe Phe Gly  
 1 5 10 15

Thr Lys Gly Asn Leu Cys Gln Arg Lys Met Pro Leu Ser Ile Ser Val  
 20 25 30

Ala Leu Thr Phe Pro Ser Ala Met Met Ala Ser Tyr Tyr Leu Leu Leu  
 35 40 45

Gln Thr Tyr Val Leu Arg Leu Glu Ala Ile Met Asn Gly Ile Leu Leu  
 50 55 60

Phe Phe Cys Gly Ser Glu Leu Leu Leu Glu Val Leu Thr Leu Ala Ala  
 65 70 75 80

Phe Ser Ser Met Asp Xaa Ile Xaa  
 85

<210> 119  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals stop translation

<400> 119

Met Tyr Lys Phe Leu Tyr Leu Val Leu Glu Asp Phe Val Ala Phe Ile  
 1 5 10 15

Arg Gly Ser Phe Pro Pro Gln His Thr Arg Ser Leu Val Phe Trp His  
 20 25 30

Val Cys Gln Leu Glu Tyr Xaa  
 35

<210> 120  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals stop translation

<400> 120

Met Met Met Met Ile Gln Thr Leu Met Val Met Ala Lys Ile Leu Cys  
 1 5 10 15

Leu Lys Gln Pro Leu Ser Met Ala Gly Ser Xaa  
20 25

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<210> 121
<211> 22
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals stop translation
```

<400> 121  
Met Lys Glu Asn Pro Leu Leu Leu Leu Ile Cys Ile Xaa Gly His Leu  
1 5 10 15

Val Val Pro Pro Asn Xaa  
20

```
<210> 122
<211> 96
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (96)  
<223> Xaa equals stop translation
```

```
<400> 122
Met Tyr Arg Asp Ser His Ser Val Leu Ala Leu Asn Trp Lys Val Val
  1             5             10             15
```

Ala Thr Leu Lys Tyr Phe Leu Leu Tyr Val Ile Ile Leu Tyr Asn Leu  
20 25 30

Glu Arg Asp Asn Gly His Ser Asn Tyr Glu Asn Tyr Glu Leu Gly Asp  
35 40 45

Lys Ser Leu Asn Leu Leu Leu Phe Tyr Asn Ser Met Tyr Lys Leu Val  
50 55 60

Phe Pro Tyr Ile Phe Thr Phe Ser Ser Phe Leu Ile Ser Ser Tyr Thr  
65 70 75 80

Ser Ile Leu Tyr Lys Met Phe Tyr Ile Gln Arg Thr Val Lys Ser Xaa  
85 90 95

<210> 123  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals stop translation

<400> 123  
 Met Lys Glu Arg Thr Arg Ile Pro Cys Ala Phe Pro Phe Leu Leu Phe  
     1                    5                    10                    15  
 Gln Thr Arg Val Gln Thr Ser Pro Ala Phe Gln Pro His Pro Leu Tyr  
                     20                    25                    30  
 Phe Thr Ala Xaa  
                     35

<210> 124  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals stop translation

<400> 124  
 Met Thr Ser Val Ile Val Leu Phe Ile Leu Lys Val Phe Phe Lys Tyr  
     1                    5                    10                    15  
 Phe Ser Thr Thr Ser Phe Leu Asn Ala Cys Ile His Phe Ile His Lys  
                     20                    25                    30  
 Cys Lys Leu Val Asn Xaa  
                     35

<210> 125  
 <211> 342  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (342)  
 <223> Xaa equals stop translation

<400> 125  
 Met Leu Gln Pro Thr His Leu Ser Leu Gln Leu Arg Leu Gln Cys Leu  
     1                    5                    10                    15  
 Ala Ala Ser His Leu Val Thr Leu Leu Ile Cys Leu Met Ala Pro Ala  
                     20                    25                    30

Ser Ala Thr Gly Gly Ser Ala Asp Leu Phe Gly Gly Phe Ala Asp Phe  
 35 40 45  
 Gly Ser Ala Ala Ala Ser Gly Ser Phe Pro Ser Gln Val Thr Ala Thr  
 50 55 60  
 Ser Gly Asn Gly Asp Phe Gly Asp Trp Ser Ala Phe Asn Gln Ala Pro  
 65 70 75 80  
 Ser Gly Pro Val Ala Ser Ser Gly Glu Phe Phe Gly Ser Ala Ser Gln  
 85 90 95  
 Pro Ala Val Glu Leu Val Ser Gly Ser Gln Ser Ala Leu Gly Pro Pro  
 100 105 110  
 Pro Ala Ala Ser Asn Ser Ser Asp Leu Phe Asp Leu Met Gly Ser Ser  
 115 120 125  
 Gln Ala Thr Met Thr Ser Ser Gln Ser Met Asn Phe Ser Met Met Ser  
 130 135 140  
 Thr Asn Thr Val Gly Leu Gly Leu Pro Met Ser Arg Ser Gln Pro Leu  
 145 150 155 160  
 Gln Asn Val Ser Thr Val Leu Gln Lys Pro Asn Pro Leu Tyr Asn Gln  
 165 170 175  
 Asn Thr Asp Met Val Gln Lys Ser Val Ser Lys Thr Leu Pro Ser Thr  
 180 185 190  
 Trp Ser Asp Pro Ser Val Asn Ile Ser Leu Asp Asn Leu Leu Pro Gly  
 195 200 205  
 Met Gln Pro Ser Lys Pro Gln Gln Pro Ser Leu Asn Thr Met Ile Gln  
 210 215 220  
 Gln Gln Asn Met Gln Gln Pro Met Asn Val Met Thr Gln Ser Phe Gly  
 225 230 235 240  
 Ala Val Asn Leu Ser Ser Pro Ser Asn Met Leu Pro Val Arg Pro Gln  
 245 250 255  
 Thr Asn Ala Leu Ile Gly Gly Pro Met Pro Met Ser Met Pro Asn Val  
 260 265 270  
 Met Thr Gly Thr Met Gly Met Ala Pro Leu Gly Asn Thr Pro Met Met  
 275 280 285  
 Asn Gln Ser Met Met Gly Met Asn Met Asn Ile Gly Met Ser Ala Ala  
 290 295 300  
 Gly Met Gly Leu Thr Gly Thr Met Gly Met Gly Met Pro Asn Ile Ala  
 305 310 315 320  
 Met Thr Ser Gly Thr Val Gln Pro Lys Gln Asp Ala Phe Ala Asn Phe  
 325 330 335  
 Ala Asn Phe Ser Lys Xaa



340

<210> 126  
 <211> 219  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (139)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (217)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (219)  
 <223> Xaa equals stop translation

<400> 126  
 Met Val Ser Trp Met Ile Cys Arg Leu Val Val Leu Val Phe Gly Met  
 1 5 10 15

Leu Cys Pro Ala Tyr Ala Ser Tyr Lys Ala Val Lys Thr Lys Asn Ile  
 20 25 30

Arg Glu Tyr Val Arg Trp Met Met Tyr Trp Ile Val Phe Ala Leu Phe  
 35 40 45

Met Ala Ala Glu Ile Val Thr Asp Ile Phe Ile Ser Trp Phe Pro Phe  
 50 55 60

Tyr Tyr Glu Ile Lys Met Ala Phe Val Leu Trp Leu Leu Ser Pro Tyr  
 65 70 75 80

Thr Lys Gly Ala Ser Cys Phe Thr Ala Ser Leu Ser Thr Arg Pro Cys  
 85 90 95

Pro Ala Met Arg Arg Arg Ser Thr Arg Thr Ser Cys Arg Pro Arg Ser  
 100 105 110

Ala Ala Thr Arg Pro Cys Ser Ala Ser Gly Ser Gly Ala Ser Thr Leu  
 115 120 125

Pro Pro Pro Leu Leu Cys Arg Leu Pro Pro Xaa Val Arg Gly Arg Trp  
 130 135 140

Pro Ala Gly Cys Gly Ala Ser Pro Cys Arg Thr Cys Ala Pro Ser Leu  
 145 150 155 160

Thr His Leu Pro Leu Pro Thr Met Thr Pro Ser Thr Trp Arg Thr Arg  
 165 170 175

Cys Pro Thr Gly Gly His Pro Leu Gly Thr Gly Pro Gly Ala Cys Arg  
 180 185 190

Thr Ala Thr Pro Arg Met Ser Val Gly Gln Ile Leu Arg Gln Ser Pro  
 195 200 205

Gly Arg Gln Pro Gly Pro Glu Arg Xaa Pro Xaa  
 210 215

<210> 127  
 <211> 266  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (96)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (98)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (119)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (161)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (170)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (189)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (197)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (200)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
 <222> (230)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (235)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (244)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (245)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (247)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (266)  
 <223> Xaa equals stop translation

<400> 127  
 Met Ser Met Ala Val Glu Thr Phe Gly Phe Phe Met Ala Thr Xaa Gly  
 1 5 10 15

Leu Leu Met Leu Gly Val Thr Leu Pro Asn Ser Tyr Trp Arg Val Ser  
 20 25 30

Thr Val His Gly Asn Val Ile Thr Thr Asn Thr Ile Phe Glu Asn Leu  
 35 40 45

Trp Phe Ser Cys Ala Thr Asp Ser Leu Gly Val Tyr Asn Cys Trp Glu  
 50 55 60

Phe Pro Ser Met Leu Ala Leu Ser Gly Tyr Ile Gln Ala Cys Arg Ala  
 65 70 75 80

Leu Met Ile Thr Ala Ile Leu Leu Gly Phe Leu Gly Leu Leu Leu Xaa  
 85 90 95

Ile Xaa Gly Leu Arg Cys Thr Asn Ile Gly Gly Leu Glu Leu Ser Arg  
 100 105 110

Lys Ala Lys Leu Ala Ala Xaa Ala Gly Ala Leu His Ile Leu Ala Gly  
 115 120 125

Ile Cys Gly Met Val Ala Ile Ser Trp Tyr Ala Ser Thr Ser Pro Gly  
 130 135 140

Thr Ser Ser Thr Pro Cys Thr Pro Glu Pro Ser Thr Ser Trp Ala Pro  
 145 150 155 160

Xaa Ser Thr Trp Gly Gly Ala Pro His Xaa Ser Pro Ser Trp Val Ala  
                           165                          170                          175  
 Ser Ala Ser Ala Pro Pro Ala Ala Ala Ala Leu Thr Xaa Thr Ser Arg  
                           180                          185                          190  
 Gln Arg Pro Ala Xaa Leu Pro Xaa Ser Arg Val Arg Asp Ala Arg Arg  
                           195                          200                          205  
 His Leu Gly Pro Arg Arg Arg Gln Gln Leu Trp Gln Ile Arg Gln Lys  
                           210                          215                          220  
 Arg Leu Arg Val Ala Xaa Leu Ala Arg Gly Xaa Arg Cys Leu Pro Thr  
                           225                          230                          235                          240  
 Ala Pro Arg Xaa Xaa Asp Xaa Ala Gly Ala His Ser Pro Ile Val Thr  
                           245                          250                          255  
 Ser Gly Ala Gly His Ala Pro Leu Pro Xaa  
                           260                          265

<210> 128  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals stop translation

<400> 128  
 Met Leu Phe Ile Tyr Leu Phe Val Phe Pro Ile Arg Ile Gly Ser Glu  
   1                          5                          10                          15  
 Lys Ala Lys Thr Val Ser Val Leu Leu Ile Ile Val Ser Leu Thr Ala  
                           20                          25                          30  
 Arg Pro Leu Ala Gly Phe Xaa  
                           35

<210> 129  
 <211> 93  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (93)  
 <223> Xaa equals stop translation

<400> 129  
 Met Leu Leu Tyr Leu Tyr Ser Leu Gly Ile Ser Val Leu Ile Ile Ser  
   1                          5                          10                          15  
 Phe Pro Thr Asn Ser Ser Ile His Val Arg Lys Asn Met Ala Asn Gln

20	25	30
Tyr Leu Lys Gly Ala Ile Phe Gln Ser Ser Gly Phe Gln Ser Val Ala		
35	40	45
Gly Gln His Trp Gln His Leu Asn Leu Leu Gly Thr Leu Leu Lys Met		
50	55	60
Gln Ile Leu Ser Pro Thr Leu Val Leu Leu Asn Trp Glu Thr Gly Val		
65	70	75
Gly Pro Ser Ser Leu Cys Phe Asn Met Phe Ser Lys Xaa		
85	90	

&lt;210&gt; 130

&lt;211&gt; 196

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (196)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 130

Met Glu Leu Ser Glu Ser Val Gln Lys Gly Phe Gln Met Leu Ala Asp		
1	5	10
Pro Arg Ser Phe Asp Ser Asn Ala Phe Thr Leu Leu Leu Arg Ala Ala		
20	25	30
Phe Gln Ser Leu Leu Asp Ala Gln Ala Asp Glu Ala Val Leu Asp His		
35	40	45
Pro Asp Leu Lys His Ile Asp Pro Val Val Leu Lys His Cys His Ala		
50	55	60
Ala Ala Ala Thr Tyr Ile Leu Glu Ala Gly Lys His Arg Ala Asp Lys		
65	70	75
Ser Thr Leu Ser Thr Tyr Leu Glu Asp Cys Lys Phe Asp Arg Glu Arg		
85	90	95
Ile Glu Leu Phe Cys Thr Glu Tyr Gln Asn Asn Lys Asn Ser Leu Glu		
100	105	110
Ile Leu Leu Gly Ser Ile Gly Arg Ser Leu Pro His Ile Thr Asp Val		
115	120	125
Ser Trp Arg Leu Glu Tyr Gln Ile Lys Thr Asn Gln Leu His Arg Met		
130	135	140
Tyr Arg Pro Ala Tyr Leu Val Thr Leu Ser Val Gln Asn Thr Asp Ser		
145	150	155
Pro Ser Tyr Pro Glu Ile Ser Phe Ser Cys Ser Met Glu Gln Leu Gln		
165	170	175

Asp Leu Val Gly Lys Leu Lys Asp Ala Ser Lys Ser Leu Glu Arg Ala  
                   180                  185                  190

Thr Gln Leu Xaa  
                   195

<210> 131  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 131  
 Met Ala Ser Ile Leu Leu Leu Leu Val Leu Ser His Ser Cys Cys Cys  
       1                  5                  10                  15

Lys Asn Thr Cys Leu Gln Val Leu Cys Asn Phe Asp Ser Val His Asn  
                   20                  25                  30

Leu Ser Thr Leu Ile Leu Lys Ile Ile Ile Arg Val Asp Val Leu Val  
           35                  40                  45

Tyr

<210> 132  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals stop translation

<400> 132  
 Met Val Tyr Cys Val His Leu Asn Pro Phe Thr Asp Leu Cys Cys Ile  
       1                  5                  10                  15

Phe Phe Met Pro Leu Leu Cys Phe Leu Leu Arg Ser Arg Val Asp Ser  
           20                  25                  30

Ile Ser Ile Pro Ser Leu Thr Leu Leu Glu Ala Cys Asn Ser Ile Tyr  
           35                  40                  45

Cys Ser Gly Ser Ser Ala Xaa  
       50                  55

<210> 133  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals stop translation

&lt;400&gt; 133

Met Gly Val Asn Lys Val Leu Phe Thr Phe Phe Phe Phe Ser Ser Leu  
 1 5 10 15

Leu Asp Gly Val Gly Thr Ser His Ser Leu Ala Ser Phe Pro His Thr  
 20 25 30

Xaa

&lt;210&gt; 134

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 134

Met Trp Pro Leu Leu Leu Arg Leu Leu Phe Leu His Leu Phe Leu Ala  
 1 5 10 15

Lys Asn Lys Leu Ile Phe Lys Xaa  
 20

&lt;210&gt; 135

&lt;211&gt; 220

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (98)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (220)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 135

Met Ala Glu Ile His Thr Pro Tyr Ser Ser Leu Lys Lys Leu Leu Ser  
 1 5 10 15

Leu Leu Asn Gly Phe Val Ala Val Ser Gly Ile Ile Leu Val Gly Leu  
                   20                                  25                                  30  
 Gly Ile Gly Gly Lys Cys Gly Gly Ala Ser Leu Thr Asn Val Leu Gly  
                   35                                  40                                  45  
 Leu Ser Ser Ala Tyr Leu Leu His Val Gly Asn Leu Cys Leu Val Met  
           50                                  55                                  60  
 Gly Cys Ile Xaa Val Leu Leu Gly Cys Ala Gly Trp Tyr Gly Ala Thr  
           65                                  70                                  75                                  80  
 Lys Glu Ser Arg Gly Thr Xaa Leu Phe Val Gly Asp Val Ala Leu Glu  
                                   85                                  90                                  95  
 His Xaa Phe Val Thr Leu Arg Lys Asn Tyr Arg Gly Tyr Asn Glu Pro  
                   100                                  105                                  110  
 Asp Asp Tyr Ser Thr Gln Trp Asn Leu Val Met Glu Lys Leu Lys Cys  
                   115                                  120                                  125  
 Cys Gly Val Asn Asn Tyr Thr Asp Phe Ser Gly Ser Ser Phe Glu Met  
           130                                  135                                  140  
 Thr Thr Gly His Thr Tyr Pro Arg Ser Cys Cys Lys Ser Ile Gly Ser  
   145                                  150                                  155                                  160  
 Val Ser Cys Asp Gly Arg Asp Val Ser Pro Asn Val Ile His Gln Lys  
                                   165                                  170                                  175  
 Gly Cys Phe His Lys Leu Leu Lys Ile Thr Lys Thr Gln Ser Phe Thr  
                   180                                  185                                  190  
 Leu Ser Gly Ser Ser Leu Gly Ala Ala Val Ile Gln Leu Pro Gly Ile  
           195                                  200                                  205  
 Leu Ala Thr Leu Leu Leu Phe Ile Lys Leu Gly Xaa  
           210                                  215                                  220

<210> 136  
 <211> 303  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (303)  
 <223> Xaa equals stop translation

<400> 136  
 Met Ile Gly Ile Ser Ala Ser Phe Ser Ala Leu Leu Glu Gln Ile Leu  
   1                                  5                                  10                                  15  
 Cys Ala Ser Gly His Ser Ser Gly Phe Ser Gly Leu Cys Gly Ala Leu  
           20                                  25                                  30  
 Phe Ile Thr Phe Gly Ile Leu Gly Ala Leu Ala Leu Gly Pro Tyr Val  
           35                                  40                                  45



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Asp Arg Thr Lys His Phe Thr Glu Ala Thr Lys Ile Gly Leu Cys Leu
 50          55          60
Phe Ser Leu Ala Cys Val Pro Phe Ala Leu Val Ser Gln Leu Gln Gly
 65          70          75          80
Gln Thr Leu Ala Leu Ala Ala Thr Cys Ser Leu Leu Gly Leu Phe Gly
          85          90          95
Phe Ser Val Gly Pro Val Ala Met Glu Leu Ala Val Glu Cys Ser Phe
          100          105          110
Pro Val Gly Glu Gly Ala Ala Thr Gly Met Ile Phe Val Leu Gly Gln
          115          120          125
Ala Glu Gly Ile Leu Ile Met Leu Ala Met Thr Ala Leu Thr Val Arg
          130          135          140
Arg Ser Glu Pro Ser Leu Ser Thr Cys Gln Gln Gly Glu Asp Pro Leu
          145          150          155          160
Asp Trp Thr Val Ser Leu Leu Leu Met Ala Gly Leu Cys Thr Phe Phe
          165          170          175
Ser Cys Ile Leu Ala Val Phe Phe His Thr Pro Tyr Arg Arg Leu Gln
          180          185          190
Ala Glu Ser Gly Glu Pro Pro Ser Thr Arg Asn Ala Val Gly Gly Ala
          195          200          205
Asp Ser Gly Pro Gly Val Asp Arg Gly Gly Ala Gly Arg Ala Gly Val
          210          215          220
Leu Gly Pro Ser Thr Ala Thr Pro Glu Cys Thr Ala Arg Gly Ala Ser
          225          230          235          240
Leu Glu Asp Pro Arg Gly Pro Gly Ser Pro His Pro Ala Cys His Arg
          245          250          255
Ala Thr Pro Arg Ala Gln Gly Pro Ala Ala Thr Asp Ala Pro Ser Arg
          260          265          270
Pro Gly Arg Leu Ala Gly Arg Val Gln Ala Ser Arg Phe Ile Asp Pro
          275          280          285
Ala Gly Ser His Ser Ser Phe Ser Ser Pro Trp Val Ile Thr Xaa
          290          295          300

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<210> 137

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation

&lt;400&gt; 137

Met Arg Leu Val Pro Ser His Leu Leu Ala Ile Leu Ile Asn Ile Lys  
 1 5 10 15

Asp Gln Met Met Cys Phe Cys Ile Ala Leu Met Met Arg Leu Ser Ser  
 20 25 30

Cys Ile Ala Ser Ser Gly Pro Trp Xaa  
 35 40

&lt;210&gt; 138

&lt;211&gt; 278

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (278)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 138

Met Ser Phe Asn Leu Gln Ser Ser Lys Lys Leu Phe Ile Phe Leu Gly  
 1 5 10 15

Lys Ser Leu Phe Ser Leu Leu Glu Ala Met Ile Phe Ala Leu Leu Pro  
 20 25 30

Lys Pro Arg Lys Asn Val Ala Gly Glu Ile Val Leu Ile Thr Gly Ala  
 35 40 45

Gly Ser Gly Leu Gly Arg Leu Leu Ala Leu Gln Phe Ala Arg Leu Gly  
 50 55 60

Ser Val Leu Val Leu Trp Asp Ile Asn Lys Glu Gly Asn Glu Glu Thr  
 65 70 75 80

Cys Lys Met Ala Arg Glu Ala Gly Ala Thr Arg Val His Ala Tyr Thr  
 85 90 95

Cys Asp Cys Ser Gln Lys Glu Gly Val Tyr Arg Val Ala Asp Gln Val  
 100 105 110

Lys Lys Glu Val Gly Asp Val Ser Ile Leu Ile Asn Asn Ala Gly Ile  
 115 120 125

Val Thr Gly Lys Lys Phe Leu Asp Cys Pro Asp Glu Leu Met Glu Lys  
 130 135 140

Ser Phe Asp Val Asn Phe Lys Ala His Leu Trp Thr Tyr Lys Ala Phe  
 145 150 155 160

Leu Pro Ala Met Ile Ala Asn Asp His Gly His Leu Val Cys Ile Ser  
 165 170 175

Ser Ser Ala Gly Leu Ser Gly Val Asn Gly Leu Ala Asp Tyr Cys Ala  
 180 185 190

Ser Lys Phe Ala Ala Phe Gly Phe Ala Glu Ser Val Phe Val Glu Thr  
 195 200 205

Phe Val Gln Lys Gln Lys Gly Ile Lys Thr Thr Ile Val Cys Pro Phe  
 210 215 220

Phe Ile Lys Thr Gly Met Phe Glu Gly Cys Thr Thr Gly Cys Pro Ser  
 225 230 235 240

Leu Leu Pro Ile Leu Glu Pro Lys Tyr Ala Val Glu Lys Ile Val Glu  
 245 250 255

Ala Ile Leu Gln Glu Lys Met Tyr Leu Tyr Met Pro Lys Val Val Ile  
 260 265 270

Leu His Asp Val Ser Xaa  
 275

<210> 139  
 <211> 111  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (111)  
 <223> Xaa equals stop translation

<400> 139  
 Met Leu Thr Phe Leu Met Leu Val Arg Leu Ser Thr Leu Cys Pro Ser  
 1 5 10 15

Ala Val Leu Gln Arg Leu Asp Arg Leu Val Glu Pro Leu Arg Ala Thr  
 20 25 30

Cys Thr Thr Lys Val Lys Ala Asn Ser Val Lys Gln Glu Phe Glu Lys  
 35 40 45

Gln Asp Glu Leu Lys Arg Ser Ala Met Arg Ala Val Ala Ala Leu Leu  
 50 55 60

Thr Ile Pro Glu Ala Glu Lys Ser Pro Leu Met Ser Glu Phe Gln Ser  
 65 70 75 80

Gln Ile Ser Ser Asn Pro Glu Leu Ala Ala Ile Phe Glu Ser Ile Gln  
 85 90 95

Lys Asp Ser Ser Ser Thr Asn Leu Glu Ser Met Asp Thr Ser Xaa  
 100 105 110

<210> 140  
 <211> 133  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

<222> (133)

<223> Xaa equals stop translation

<400> 140

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Met Arg Ala Leu His Phe Ser Ser Arg His Asn Lys Asp Ile Ala Leu
 1           5           10           15

Val Asn Leu Ala Asn Val Leu His Arg Ala His Phe Ser Ala Asp Ala
      20           25           30

Ala Val Val Val His Ala Ala Leu Asp Asp Ser Asp Phe Phe Thr Ser
      35           40           45

Tyr Tyr Thr Leu Gly Asn Ile Tyr Ala Met Leu Gly Glu Tyr Asn His
 50           55           60

Ser Val Leu Cys Tyr Asp His Ala Leu Gln Ala Arg Pro Gly Phe Glu
 65           70           75           80

Gln Ala Ile Lys Arg Lys His Ala Val Leu Cys Gln Gln Lys Leu Glu
      85           90           95

Gln Lys Leu Glu Ala Gln His Arg Ser Leu Gln Arg Thr Leu Asn Glu
      100           105           110

Leu Lys Glu Tyr Gln Lys Gln His Asp His Tyr Leu Arg Pro Gly Asn
      115           120           125

Pro Arg Lys Thr Xaa
      130

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<210> 141

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals stop translation

<400> 141

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Met Glu Thr Leu Gly Ala Leu Leu Val Leu Glu Phe Leu Leu Leu Ser
 1           5           10           15

Pro Val Glu Ala Gln Gln Ala Thr Glu His Arg Leu Lys Pro Trp Leu
      20           25           30

Val Gly Leu Ala Ala Val Val Gly Phe Leu Phe Ile Val Tyr Leu Val
      35           40           45

Leu Leu Ala Asn Arg Leu Trp Cys Ser Lys Ala Arg Ala Glu Asp Glu
      50           55           60

Glu Glu Thr Thr Phe Arg Met Glu Ser Asn Leu Tyr Gln Asp Gln Ser
      65           70           75           80

Glu Asp Lys Arg Glu Lys Lys Glu Ala Lys Glu Lys Glu Lys Arg

```

85

90

95

Lys Lys Glu Lys Lys Thr Ala Lys Glu Gly Glu Ser Asn Leu Gly Leu  
                   100                  105                  110

Asp Leu Glu Glu Lys Glu Pro Gly Asp His Glu Arg Ala Lys Ser Thr  
           115                  120                  125

Val Met Xaa  
       130

&lt;210&gt; 142

&lt;211&gt; 106

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 142

Met Thr His Arg Arg His Cys Gly Leu Ala Arg Trp Ile Leu Met Lys  
   1                  5                  10                  15

Ile Phe Cys Trp Arg Val Ser Thr Val Thr Ser Thr Ala Gly Ala Leu  
           20                  25                  30

Thr Asn Pro His Ser Cys Tyr Thr Ser Val Leu Lys Val Gly Ala Thr  
           35                  40                  45

Gly Val Gly Gln Ser Leu Ser Val Trp Thr Met Pro Gly Leu Leu Leu  
       50                  55                  60

Glu Gln Phe Ser Thr Gly Val Glu Leu Leu Leu Ser Ser Ser Arg Phe  
       65                  70                  75                  80

Ser Asn Ser Met Glu Tyr Lys Asn Arg Leu Ser Ser Val Glu Asp Arg  
           85                  90                  95

Ser Ser Val Val Thr Cys Leu Lys Ala Xaa  
           100                  105

&lt;210&gt; 143

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 143

Met Pro Leu Ala Leu Leu Ala Thr Trp Leu Ser Cys Leu Pro Ser Leu  
   1                  5                  10                  15

Val Leu Thr Tyr Tyr Ser Arg Ser Asn Gln Lys Met Pro Trp Thr Leu  
                   20                                  25                                  30

Ala Ser Pro Phe Ser Ser Met Ala Ser Thr Met Glu Phe Trp Asn Gly  
           35                                  40                                  45

Thr Leu Gln Lys Cys Val Gln Thr Thr Trp His Leu Pro Xaa  
       50                                  55                                  60

<210> 144

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 144

Met Lys Ala Thr Leu Lys Leu Leu Pro Thr Ile Val Val Ile Tyr Cys  
   1                                  5                                  10                                  15

Leu Leu Cys Pro Val Pro Arg Gln Ile Leu Gly Val Pro Ser Trp Ala  
                   20                                  25                                  30

Pro Gly Lys Cys Leu Xaa  
           35

<210> 145

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 145

Met Leu Thr Ser Ser Ser Asn Leu Ile Ser Trp Val Leu Pro Glu Leu  
   1                                  5                                  10                                  15

Ser Ser Leu Leu Trp Val Phe Leu Phe Trp Lys Arg Gln Cys Gly Asp  
                   20                                  25                                  30

Trp Ala Gly Arg Lys Thr Arg Ser Arg Val Ser Gly Val Val Thr Asn  
           35                                  40                                  45

Phe Pro Leu His Ser Pro Ser Leu Arg Tyr Ser Ser Phe Leu Glu Xaa  
       50                                  55                                  60

<210> 146

<211> 105  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals stop translation

<400> 146

Met	Leu	Phe	Cys	Ile	Leu	Leu	Tyr	Thr	Leu	Gly	Ser	Ala	Arg	Cys	His
1				5					10					15	
His	Leu	Ser	Phe	Phe	Leu	Trp	Gly	Trp	Ser	Asn	Pro	Pro	Glu	Lys	Thr
			20					25					30		
Pro	Leu	Ala	Ser	Trp	Arg	Gly	Val	Lys	Ala	Arg	Leu	Pro	Gly	Pro	Gly
		35					40					45			
Cys	Gln	Leu	Leu	Gly	Ala	Ala	Gly	Ala	Glu	Ala	Gly	Ser	Cys	Gln	Ala
	50					55					60				
Phe	Ser	Gln	Gln	Asp	Ala	Leu	Ser	Thr	His	Leu	Gly	Phe	Arg	Ile	Pro
65					70					75					80
Leu	Pro	His	Leu	Gln	Met	Gly	Gln	Met	Ser	Pro	Lys	Pro	Ala	Ala	Pro
				85					90					95	
Phe	Cys	Phe	Thr	Leu	Ser	Thr	Glu	Xaa							
				100				105							

<210> 147  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals stop translation

<400> 147

Met	Gly	Pro	Trp	Cys	Leu	Thr	Leu	Leu	Ser	Thr	Thr	Ser	Gly	Phe	Phe
1				5					10					15	
Ser	Glu	Asn	Leu	Tyr	Leu	Thr	Leu	Ile	Leu	Ser	Phe	Leu	Leu	Ser	Ile
			20					25					30		
Glu	Ser	Val	Asn	Thr	Asp	Pro	Phe	Ile	Phe	Gln	Phe	Pro	Lys	Ser	Cys
		35					40					45			
Phe	Ala	Ile	Ala	Ser	Ile	Leu	Leu	Ser	Gly	Gly	Val	Xaa			
	50					55					60				

<210> 148  
 <211> 37  
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 148

Met Gly Cys Thr Ala Leu Leu Leu Leu Phe His Leu Cys Val Pro Cys  
1 5 10 15

Glu Pro Tyr Gly Thr His Glu Lys Glu Leu Val Pro Gly Leu Tyr Phe  
20 25 30

Leu Val Tyr Arg Xaa  
35

<210> 149

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 149

Met Cys Lys Phe Ile Tyr Val Pro His Ser Val Leu Leu Val Tyr Val  
1 5 10 15

Phe Thr Phe Val Leu Ile Pro Asn Cys Tyr Asn Ser Val Ala Leu Xaa  
20 25 30

<210> 150

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals stop translation

<400> 150

Met Ser Leu Ala Leu Cys Leu Val Pro Leu Val Arg Glu Gly His Xaa  
1 5 10 15

<210> 151

<211> 59



<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals stop translation

<400> 151  
 Met Ile Ile Ser Ser Ile Arg Cys Leu Val Leu Gly Ile Glu Cys Val  
           1                  5                  10                  15  
 Ser Ala Val Cys Gln Asn Leu Leu Leu Gly Glu Phe Pro His Trp Glu  
                   20                  25                  30  
 Arg Asp Pro Gly Asn Gly Met Val Leu Glu Gly Leu Leu Asn Thr Phe  
           35                  40                  45  
 Pro Trp Glu Gly Ser Cys Tyr Leu Gln Gly Xaa  
           50                  55

<210> 152  
 <211> 87  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (87)  
 <223> Xaa equals stop translation

<400> 152  
 Met Leu Lys Thr Trp Phe Phe Val Met Ala Val Ile Gly Val Ile Ile  
           1                  5                  10                  15  
 Pro Thr Val Phe Asp Gln Ser Ser Arg Leu Cys Leu Lys Glu Thr Gly  
                   20                  25                  30  
 Phe Val Gln Asn Val Asp Gln Ser Asn Val Leu Glu Asp Ser Pro Leu  
           35                  40                  45  
 Asp Arg Asp His Pro Trp Lys Val Met Lys Met Trp Lys Thr Val Trp  
           50                  55                  60  
 Glu Val Arg Met Met Lys Leu Met Ala Met Lys Lys Lys Val Lys Val  
           65                  70                  75                  80  
 Arg Arg Lys Ser Met Arg Xaa  
                   85

<210> 153  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals stop translation

<400> 153

Met Asp Ile Cys Ser Pro Val Ala Leu Tyr Phe Leu Leu Thr Ala Ala  
1 5 10 15

His Ile Thr Ala Val Ser Lys Pro Thr Val Met Leu Arg Glu Arg Pro  
20 25 30

Cys Ser Gly Pro Ser Arg Ser Ala Pro Gln Ser Arg Leu Ile Gly Pro  
35 40 45

Trp Asp Xaa Cys Xaa  
50

<210> 154

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals stop translation

<400> 154

Met Ala Leu Lys Asn Lys Phe Ser Cys Leu Trp Ile Leu Gly Leu Cys  
1 5 10 15

Leu Val Ala Thr Thr Ser Ser Lys Ile Pro Ser Ile Thr Asp Pro His  
20 25 30

Phe Ile Asp Asn Cys Ile Glu Ala His Asn Glu Trp Arg Gly Lys Val  
35 40 45

Asn Pro Pro Ala Ala Asp Met Lys Tyr Met Ile Trp Asp Lys Gly Leu  
50 55 60

Ala Lys Met Ala Lys Ala Trp Gly Lys Pro Val Gln Ile Xaa  
65 70 75

<210> 155

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

&lt;400&gt; 155

Met Leu Gln Ala Ala Ser Leu Ser Leu Val Thr Trp Val Val Cys Thr  
 1 5 10 15  
 Val Trp Leu Glu Thr Thr Val Pro Pro Ser Leu Pro Glu Pro Pro Met  
 20 25 30  
 Trp Pro Leu Ser Ser Asp Ser Ser Trp Ser Leu Trp Ile Ser Thr Gly  
 35 40 45  
 Met Ala Pro Ala Pro Ser Ser Ser Thr Arg Ser Phe Ser Val Leu Pro  
 50 55 60  
 Glu Ile Cys Phe Cys Leu Trp Xaa  
 65 70

&lt;210&gt; 156

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals stop translation.

&lt;400&gt; 156

Met Leu Gln Glu Val Lys Leu Asp Phe Leu Trp Leu Leu Asn Leu Pro  
 1 5 10 15  
 Leu Ile Leu Leu Phe Ser Ile Leu Glu Ser Ser Met Lys Ile Cys Thr  
 20 25 30  
 Asn Ala Met Phe Thr Arg Thr Gly Xaa  
 35 40

&lt;210&gt; 157

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (85)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 157

Met Glu Val Trp His Gly Leu Val Ile Ala Val Val Ser Leu Phe Leu  
 1 5 10 15  
 Gln Ala Cys Phe Leu Thr Ala Ile Asn Tyr Leu Leu Ser Arg His Met  
 20 25 30  
 Gly Asn Trp Leu Ser Ile Leu Phe Pro Pro Ser His Ser Gln Arg Pro  
 35 40 45  
 Phe Ser Ser Leu Gln Gln Asp Arg Pro Phe Gly Val Pro Lys Arg His

50

55

60

Ser Lys Thr Thr Arg Gly Pro Thr Gly Gln Ile Pro Ser His Arg Ser  
 65 70 75 80

Pro Ser Pro Gln Xaa  
 85

&lt;210&gt; 158

&lt;211&gt; 96

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (96)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 158

Met Ala Glu Pro Ile Ala Cys Leu Cys Leu Ile Cys Cys Ile Ile Ile  
 1 5 10 15

Ser Ala Thr Thr Gln Met Pro Phe Glu Gly Ser Cys Phe Cys Leu Val  
 20 25 30

Pro Cys Asn Phe Gln Pro Tyr Phe Arg His Phe Arg Pro Asn Asp Leu  
 35 40 45

Arg His Met Val Phe Thr His Gly Leu Trp Ala Leu Glu Lys Leu Ser  
 50 55 60

Pro Leu Lys Glu Asn Gln Asn Val Ala Cys Ile Cys Ile Phe Cys Leu  
 65 70 75 80

Arg Phe His Leu Ile Leu Lys Trp Ile Leu Asp Ser Pro Lys Val Xaa  
 85 90 95

&lt;210&gt; 159

&lt;211&gt; 89

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 159

Met Trp Ala Val Leu Pro Ala Trp Phe Pro Phe Pro Gly Thr Cys His  
 1 5 10 15

Cys Leu Pro Val Ser Leu Arg Gly His Phe Trp Glu Val Arg Pro Trp  
 20 25 30

Pro Pro Gly Pro Leu Phe Arg Ser Glu Ala Pro Thr Cys Leu Gly Ser  
           35                          40                          45

Gly Ser Ser Gly Val Arg Pro Cys Pro Pro Gln Asp Ile Pro Ser Lys  
       50                          55                          60

Pro Ala Met Ser Gly Asp Gly Pro Leu Pro Gly Lys Val Leu Phe Leu  
       65                          70                          75                          80

Leu Val Thr Glu Lys Asn Leu Pro Xaa  
                           85

<210> 160  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals stop translation

<400> 160  
 Met Ser Ala Leu Ser Phe Thr Ser Tyr Phe Leu Leu Leu Leu Arg Val  
       1                          5                          10                          15

Lys Pro Val Glu Val Ser Gly Ser Ile Pro His Pro Glu Gln Pro Asn  
           20                          25                          30

Val Leu Cys Leu Val Leu Pro Thr Phe Gly Tyr Xaa  
       35                          40

<210> 161  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals stop translation

<400> 161  
 Met Cys Cys Phe Phe Leu Lys Thr Leu Asn Leu Trp Leu Gly Tyr Phe  
       1                          5                          10                          15

Cys Gln Phe Ile Cys Leu Pro Cys Gln Val Thr Leu Cys Leu Ile Asp  
           20                          25                          30

Val Leu Cys Val Phe His Ser Val His Ala Glu Leu Ser Xaa  
       35                          40                          45

<210> 162  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals stop translation

<400> 162

Met	Tyr	Leu	Phe	Leu	Lys	Thr	Leu	Leu	Ser	Phe	Ser	Thr	Leu	Met	Met
1				5					10					15	
Thr	Thr	Ala	Leu	Ser	Phe	Met	Val	Ile	Thr	Val	Leu	Trp	Val	Leu	Leu
			20					25					30		
Leu	His	Leu	Leu	Ala	Asn	Ile	Cys	Ile	Pro	Arg	Lys	Cys	Ser	Phe	Ala
		35					40					45			
Cys	Phe	Tyr	Ile	Asn	Gly	Ile	Leu	Leu	His	Ala	Val	Phe	Xaa		
	50					55					60				

<210> 163  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals stop translation

<400> 163

Met	Val	Ser	Leu	Leu	Ser	Leu	Thr	Phe	His	Gln	Phe	Val	Ser	Ser	Leu
1				5					10					15	
Lys	Tyr	Phe	Lys	Leu	Leu	Ser	Thr	Ser	Arg	Gln	Glu	Ile	Leu	Xaa	
			20					25					30		

<210> 164  
 <211> 94  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 164

Met	Xaa	Ala	Ile	Ser	Ala	His	Cys	Asn	Leu	Tyr	Leu	Pro	Gly	Ser	Ser
1				5					10					15	
Asp	Ser	Pro	Ala	Ser	Ala	Ser	Gly	Val	Ala	Val	Ile	Thr	Gly	Val	Cys
			20					25					30		
His	His	Ala	Gln	Val	Ile	Phe	Val	Phe	Leu	Val	Glu	Thr	Ala	Phe	His
		35					40					45			
His	Val	Val	Gln	Ala	Gly	Leu	Lys	Leu	Leu	Thr	Ser	Gly	His	Pro	Pro

50

55

60

Thr Leu Gly Ser His Ser Ala Gly Ile Thr Gly Val Ser His Cys Thr  
 65 70 75 80

Trp Pro Pro Phe Asn Phe Ile Phe Thr Tyr Phe Tyr Leu Phe  
 85 90

<210> 165  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals stop translation

<400> 165  
 Met Glu Asn Pro Thr Ser Thr Pro Thr Leu Pro Cys Phe Leu Phe Phe  
 1 5 10 15

Phe Ser Pro Arg Ser Leu Asp Val Leu Thr Pro Pro His Cys Leu Leu  
 20 25 30

Ser Gly Thr Gly Trp Asp Leu Glu Glu Asp Lys Ala Phe Leu Asp Tyr  
 35 40 45

Pro Ser Tyr Ser Val Ser Leu Phe Leu Thr Gln Arg Gly Arg Gln Asn  
 50 55 60

Gln Ser Gly Leu Phe Gln Xaa  
 65 70

<210> 166  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals stop translation

<400> 166  
 Met Arg Ile His Pro Ile Phe Arg Leu Gly Asn Val Tyr Ser Leu Leu  
 1 5 10 15

Ser Phe Leu Ile Leu Gly Arg Val Ser Thr Lys Asn Ser Ile Glu Glu  
 20 25 30

Lys Gln Tyr Asn Ile Lys Ile Lys Lys Ile Xaa  
 35 40

<210> 167  
 <211> 65

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (65)  
 <223> Xaa equals stop translation

<400> 167  
 Met Glu Lys Leu Leu Thr Leu Tyr Leu Leu Leu Tyr Val Ser Tyr Trp  
           1                  5                  10                  15  
 Ser Val Ser Pro Thr Gly Gln Gly Ala Gly Leu Phe Ile Ala Gln Ser  
                   20                  25                  30  
 Ser Ala Pro Gly Leu Arg Gln Thr His Ser Arg His Leu Gly Asn Ala  
                   35                  40                  45  
 Trp Glu Arg Lys Glu Gly Arg Arg Glu Glu Gly Leu His Gly His Val  
           50                  55                  60  
 Xaa  
   65

<210> 168  
 <211> 68  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals stop translation

<400> 168  
 Met Leu Phe Ser Leu Pro Arg Thr Phe Ser Ser His Ser Ser Pro Ala  
           1                  5                  10                  15  
 Gln Leu Ile Phe Ile His Ala Ala Ser Val Leu Met Ala Phe Pro Pro  
                   20                  25                  30  
 Arg Pro Ser Lys Thr Thr Leu Pro Gln Ala Ala Phe Leu Thr Ser Leu  
                   35                  40                  45  
 Ala Cys Pro Leu Met Leu Ser Thr Phe Phe Leu Tyr Gln Asn Ala Phe  
           50                  55                  60  
 Val Cys Lys Xaa  
   65

<210> 169  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE



<222> (59)

<223> Xaa equals stop translation

<400> 169

Met Ser Ser Phe Pro Gly Pro Gln Cys Val Gln Leu Ile Asn Leu Leu  
1 5 10 15

His Leu Ile Cys Pro Val Ser Gly Leu Val Cys Ser Ala Ile Thr Ile  
20 25 30

Ala Leu Arg Gln Lys Ser Ile Pro His Gln Gln Gly Arg Glu Ala Val  
35 40 45

Ile Lys Thr Pro Pro Pro Gly Ser Leu Pro Xaa  
50 55

<210> 170

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 170

Met Leu Val Leu Ala Trp Ile Thr Phe Pro Pro Cys Lys Ala Cys Cys  
1 5 10 15

Met Met Cys Ile Phe Ser Ser Arg Leu Leu Gln Gln Glu Xaa Val Cys  
20 25 30

Thr Xaa Val Gln Gly Xaa Glu Pro Arg Gly Met Ala Gln Arg Asp Arg  
35 40 45

Gly Phe Glu Ser Leu Xaa  
50

<210> 171

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals stop translation

<400> 171

Met Val Tyr His Gly Tyr Asn Ile Tyr Leu Val Val Phe Leu Leu Leu  
1 5 10 15

Tyr Leu Asp Xaa  
20

<210> 172

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals stop translation

<400> 172

Met Gly Pro Ala Val Cys Phe Arg Ala Cys Glu Met Cys Ser Leu Ser  
1 5 10 15

Gly Leu Leu Leu Asn Leu Cys Phe Gln Ser Cys Leu Ser Val Pro Leu  
20 25 30

Ser Gly Val Pro Arg Val Xaa  
35

<210> 173

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 173

Met Asn Leu Glu Thr Val Leu Leu Ser Arg Thr Ser Ser Leu Gly Phe  
1 5 10 15

Ala Val Cys Leu Pro Cys Phe Phe Cys Trp Phe Tyr Leu Val Leu Phe  
20 25 30

Leu Glu Leu Thr Ser Ile Thr Phe Ala Met Tyr Asp Ile Ile Pro Cys  
35 40 45

Met Thr Leu Gly Lys Xaa  
50

<210> 174  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals stop translation

<400> 174  
 Met Ser Trp Ala Leu Pro Ser Leu Phe Phe Leu Leu Phe Ser Pro Phe  
     1                    5                    10                    15  
 Leu Leu Pro Ser Gly Leu Thr Val Ile Arg Arg Tyr Thr Asn Asn Ser  
                     20                    25                    30  
 Asn Asn Tyr Leu Lys Asn His Thr His Gln Lys Asn Lys Arg Gln Gln  
                     35                    40                    45  
 Lys Ile Thr Arg Tyr Ser Xaa  
       50                    55

<210> 175  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals stop translation

<400> 175  
 Met Leu Ser Pro Leu Asn His Leu Tyr Phe Pro Phe Arg Phe Leu Cys  
     1                    5                    10                    15  
 Met Leu Cys Ser Leu Pro Arg Val Val Phe Gln Leu Thr Pro Ile Lys  
                     20                    25                    30  
 Glu Ala Phe Pro Ser Gln Glu Leu Thr Phe Pro Cys Thr His Xaa  
                     35                    40                    45

<210> 176  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals stop translation

<400> 176  
 Met Leu Leu Gly Phe Leu Cys Leu Trp Tyr Gln Val Tyr Val Cys Met  
     1                    5                    10                    15

Tyr Val Cys Thr Tyr Leu Phe Ile Tyr Leu Leu Phe Ser Leu Phe Ser  
                   20                  25                  30  
 Leu Pro His Met Ile Cys Lys Lys Ser Val Lys Phe Ile Met Ser Ser  
                   35                  40                  45  
 Pro Lys Pro Pro Ser Gly Xaa  
           50                  55

<210> 177  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals stop translation

<400> 177  
 Met Lys Trp Ser Leu Leu Lys Val Val Leu Val Phe Val Phe Val Cys  
   1                  5                  10                  15

Gly Phe Leu Lys Arg Ala Tyr Pro Ala Thr Xaa  
                   20                  25

<210> 178  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals stop translation

<400> 178  
 Met Ile Asp Ile Cys His Ser Leu Arg Arg Glu His Phe Leu Leu Trp  
   1                  5                  10                  15

Ser Phe Leu Gly Leu Phe Tyr Trp Ala Val Asn Gly Lys Ser Val Cys  
                   20                  25                  30

Val Ser Leu Leu His Pro Lys His Leu Gly Lys Asn Glu Ser Leu Leu  
           35                  40                  45

Ile Xaa  
       50

<210> 179  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> SITE  
 <222> (27)  
 <223> Xaa equals stop translation

<400> 179

Met Phe His Ser Ser Leu Leu Val Phe Leu Ser Leu Leu Ser Gln Glu  
           1                  5                  10                  15  
 Ile Phe Thr Glu Tyr Asp Cys Met His Lys Xaa  
                   20                  25

<210> 180

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation

<400> 180

Met Val His Val Ser Asn Leu Pro Trp Cys Leu Met Thr Leu Ser Ile  
           1                  5                  10                  15  
 Phe Ala Leu Leu Cys Asn His His Cys His Pro Ser Thr Glu Arg Leu  
                   20                  25                  30

Ser Ser Cys Lys Thr Glu Thr Pro Xaa  
           35                  40

<210> 181

<211> 65

<212> PRT

<213> Homo sapiens

<400> 181

Met Ile Trp Arg Leu Ser Asp Asn Ser Ala Leu Ile Leu Leu Cys Leu  
           1                  5                  10                  15  
 Gln Asn Leu Cys Trp Pro Thr Trp Met Ala Gly Glu Asp Gln Gln Lys  
                   20                  25                  30

Val Pro Ser Thr His Val Leu Pro Ala Leu Thr Leu Val Ser Leu Gly  
           35                  40                  45

Ala Asn Ser Cys Arg Ile Arg Tyr Gln Ala Tyr Arg Tyr Arg Arg Pro  
           50                  55                  60

Arg  
   65

<210> 182

<211> 20

<212> PRT

<213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals stop translation

<400> 182  
 Met Val Gly Thr Trp Arg Met Leu Phe Leu Leu Pro Ser Tyr Ser Ser  
           1                  5                  10                  15

Gly Gln Val Xaa  
                   20

<210> 183  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 183  
 Met Trp Asp Tyr Lys Thr Val Leu Leu Ala Phe Lys Gln Leu Met Asn  
           1                  5                  10                  15

Cys Ile Arg Ser Cys Leu Ile Leu Ile Val Leu Leu Leu Ile Leu Asn  
                   20                  25                  30

Ala Leu Pro Cys Lys Glu Leu Ile Ala Thr  
           35                  40

<210> 184  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals stop translation

<400> 184  
 Met Val Lys Trp Ile Ile Leu Ser Cys Leu Ile Leu Lys Gly Lys Arg  
           1                  5                  10                  15

Thr Leu Asn Ser Ser Thr Phe Tyr Ala Ala Asn Lys Ser Ser Thr Ile  
           20                  25                  30

Asn Arg Asn Leu Ser Trp Gln Ala Leu Pro Phe Thr His Xaa  
           35                  40                  45

<210> 185  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 185

Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Ala Ala  
1 5 10 15

Leu Val Xaa Pro Ala Xaa Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn  
20 25 30

Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly Met  
35 40 45

Thr Ala Glu Pro Pro Lys Gly Glu Xaa Arg Leu Ser Ser Arg Arg Thr  
50 55 60

Phe His Ser Ile Thr Xaa Trp Xaa  
65 70

<210> 186

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals stop translation

<400> 186

Met Gly Leu Trp Phe Pro Met Leu Ile Leu Thr Gln Arg Phe Val Ser  
1 5 10 15

Cys Asp Ser His Pro Asp Pro Lys His Thr His Thr His Ala His Ile  
20 25 30

Asn Thr His Thr His Arg His Val His Thr Gln Thr His Met His Thr  
35 40 45

His Ile His Thr Pro Trp Phe Glu Glu Lys Arg Asp Gly Asn Arg His  
 50 55 60

Ser Thr His Ala Tyr Ser Ala Pro Leu Cys Ile Gly Asn Xaa  
 65 70 75

<210> 187  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals stop translation

<400> 187  
 Met Leu Asn Lys Cys Gln Thr Ile Phe Tyr Ile Thr Leu Leu Leu Phe  
 1 5 10 15

Asn Phe Val Thr Phe Arg Gly Gly Gly Xaa  
 20 25

<210> 188  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals stop translation

<400> 188  
 Met Glu Asn Val Cys Gln Ala Gly Phe Pro Ser Leu Leu His Leu Asn  
 1 5 10 15

Ile Thr Leu Thr Leu Leu Gly Leu Ala Gln Cys Tyr Leu Ala Asn Phe  
 20 25 30

Ser Ser Cys Arg Glu Gly Ser Glu His Tyr Leu Phe Phe Phe Phe Phe  
 35 40 45

Leu Leu Glu Pro Gly Leu His Lys Ala Met Ala Lys Phe Ser Xaa  
 50 55 60

<210> 189  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (92)  
 <223> Xaa equals stop translation



&lt;400&gt; 189

Met Cys Pro Leu His Val Pro Leu Pro Gly His Met Gly Pro Phe Trp  
 1 5 10 15  
 Pro Leu Pro Ser Leu Tyr Ser Val Arg Ser Ser Gln Ser Pro Cys Pro  
 20 25 30  
 Leu Cys Phe Ser Leu Leu Pro Leu Gln Ala His Leu Ser Leu Leu His  
 35 40 45  
 Thr Leu Phe Arg Ser Ala Ser Gln Ser Pro Ala Ser Gly Val Phe Trp  
 50 55 60  
 Gly Cys Leu Arg Glu Arg His Glu Tyr Met Ser Pro Cys Leu Pro His  
 65 70 75 80  
 Met Tyr Gln Lys Phe Asp Phe Phe Phe Phe Phe Xaa  
 85 90

&lt;210&gt; 190

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 190

Met Ala Pro Pro Arg Gly Thr Trp Phe Leu Leu Leu Ser Leu Arg Leu  
 1 5 10 15  
 Pro Tyr Gly Ala Ala Cys Trp Val Phe Leu Pro Phe Pro Ala Ser Cys  
 20 25 30  
 Arg Ala Glu Gly Val Ala Ala Pro Ile Lys Cys Ser Arg Asn Glu Xaa  
 35 40 45

&lt;210&gt; 191

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 191

Met Cys Leu Gly His Ala Phe Cys Leu Leu Leu Ser His Ser Cys Arg  
 1 5 10 15  
 Met His Cys Thr Cys Tyr Leu Cys Leu Phe Thr Val Gln Val Leu Pro

20 25 30  
 Gly Lys Tyr Asn Glu Gly Gly Glu Gly Gln Arg Asn Xaa  
           35                          40                          45

<210> 192  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 192  
 Met Phe Pro Gly Cys Ile Leu Leu Cys Asn Leu Cys Met Phe Phe Val  
   1                          5                          10                          15  
 Leu Ser Phe Ser Met Gly Ile Phe Ala Phe Tyr Ser Leu Ile Arg Ala  
           20                          25                          30  
 Met His Val Ser Arg Leu Asp Phe Asn Phe Ala Thr Tyr Phe Val Ala  
           35                          40                          45

<210> 193  
 <211> 82  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (74)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (82)  
 <223> Xaa equals stop translation

<400> 193  
 Met Xaa Glu Gly Gly Arg Cys Gly Tyr Val Leu Leu Pro Val Ser Leu  
   1                          5                          10                          15  
 Leu Gln Cys Leu Ala Met Gly His Lys His Tyr Pro Ala Val Gly Arg  
           20                          25                          30  
 Leu Ala Lys Arg Ser Gln Leu Ala Ser Pro Ala Ser Ser Arg Glu Trp  
           35                          40                          45  
 Asn His Gly Ser Asn Thr Leu Leu Arg Lys Gln Lys Leu Tyr Gly His  
           50                          55                          60  
 Ile Phe His Leu Leu Ser Pro Arg Asn Xaa Met Tyr Cys Asp Pro Ala

65

70

75

80

His Xaa

&lt;210&gt; 194

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 194

Met	Trp	Leu	Thr	Gln	Pro	Glu	Ser	Leu	Ser	Leu	Cys	Val	Ser	Val	Ser
1				5					10					15	

Gln	Asp	Trp	Ala	His	Ile	Leu	Ala	Leu	Ser	Ile	Thr	Met	Leu	Trp	Asp
			20					25						30	

Phe	Arg	Glu	Phe	Pro	His	Leu	Xaa
		35				40	

&lt;210&gt; 195

&lt;211&gt; 182

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (182)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 195

Met	Ala	Ser	Phe	Leu	Lys	Gly	Ile	Thr	Ala	Thr	Val	Leu	Ile	Asn	Ala
1				5					10					15	

Cys	Val	Ala	Asn	Thr	Val	Ala	Pro	Leu	His	Tyr	Lys	Asp	Met	Ile	Ile
			20					25					30		

Pro	Lys	Leu	Val	Asp	Asp	Leu	Gly	Lys	Val	Lys	Ile	Thr	Lys	Ser	Gly
		35					40					45			

Phe	Leu	Thr	Phe	Met	Asp	Thr	Trp	Ser	Asn	Pro	Leu	Glu	Glu	His	Asn
	50					55					60				

His	Gln	Ser	Leu	Val	Pro	Leu	Glu	Lys	Ala	Gln	Val	Pro	Phe	Leu	Phe
65					70					75					80

Ile	Val	Gly	Met	Asp	Asp	Gln	Ser	Trp	Lys	Ser	Glu	Phe	Tyr	Ala	Gln
			85						90					95	

Ile	Ala	Ser	Glu	Arg	Leu	Gln	Ala	His	Gly	Lys	Glu	Arg	Pro	Gln	Ile
			100					105						110	

Ile Cys Tyr Pro Glu Thr Gly His Cys Ile Asp Pro Pro Tyr Phe Pro  
 115 120 125

Pro Ser Arg Ala Ser Val His Ala Val Leu Gly Glu Ala Ile Phe Tyr  
 130 135 140

Gly Gly Glu Pro Lys Ala His Ser Lys Ala Gln Val Asp Ala Trp Gln  
 145 150 155 160

Gln Ile Gln Thr Phe Phe His Lys His Leu Asn Gly Lys Lys Ser Val  
 165 170 175

Lys His Ser Lys Ile Xaa  
 180

<210> 196

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 196

Met Tyr Tyr Thr Ala Ala Cys Leu Phe Ile Ser Val Leu Phe Leu Gly  
 1 5 10 15

Leu Ser Val Leu Ile Ser Val Ala Val Val His Ser Phe Phe Lys His  
 20 25 30

Cys Ile Val Phe His Asp Asp Xaa  
 35 40

<210> 197

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals stop translation

<400> 197

Met Ala Ile Ala Leu Gly Pro Leu Val Leu Ser Trp Leu Cys Tyr Leu  
 1 5 10 15

Trp Leu Thr Leu Glu Ser Leu Cys Thr Asn Lys Met Ala Ser Asp Glu  
 20 25 30

Pro Val Ser His His Cys Leu Pro Arg Leu Ser Glu Pro Leu Thr  
 35 40 45

Phe Cys Leu Glu Ala Gly Gly Leu Val Glu Val Gly Asp Leu Leu Lys  
 50 55 60

Ser Arg Ala Arg Pro Val Ile Leu Xaa  
65 70

<210> 198  
<211> 56  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals stop translation

<400> 198  
Met Ala Gly His Pro Val Phe Phe Leu Leu Ile His Leu Leu Pro Leu  
1 5 10 15  
Asp Phe Ser Met Gly Trp Thr Gln Thr Pro Gly Ser Asn Asn Trp Arg  
20 25 30  
Arg Gly Trp Lys Glu Val Ser Gly Ser Ser Ala Pro Glu Gly Ser Arg  
35 40 45  
Asp Gly Tyr Val Ala Ala Ala Xaa  
50 55

<210> 199  
<211> 70  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals stop translation

<400> 199  
Met Ala Gly Ser Tyr Ser Ser Asp Ile Leu Val Leu Ala Arg Ser Trp  
1 5 10 15  
Thr Leu Leu Leu Leu Ser Val Leu Arg Leu Gln Thr Val Gly Ser Ser  
20 25 30  
Val Thr Leu Asp Ser Gln Val Gly Ile Ile Trp Pro Ala Val Phe Lys  
35 40 45  
Ile Gly Asn Arg Val Lys Lys Gln Asn Gln Ile Lys Glu Lys Arg Gln  
50 55 60  
Gln Gln Asn Gln Asn Xaa  
65 70

<210> 200  
<211> 47  
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals stop translation

<400> 200

Met Trp Ile Tyr Thr Leu Thr Tyr Ile Leu Ile Asn Ser Ser Met Leu  
1 5 10 15

Ala Leu Val Leu Ser Lys Leu Tyr Leu Asn Lys Phe Val Ala Arg Asn  
20 25 30

Val Leu Lys Ser Tyr Ser Pro Phe Leu Leu Glu Val Ser Lys Xaa  
35 40 45

<210> 201

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 201

Met Leu Glu Trp Pro Ile Ser Met Tyr Phe Val Ala Phe Leu His Cys  
1 5 10 15

Phe Leu Cys Ser Gly Gly Asn Leu Gly Asp Ser Phe Gln Ala Leu Pro  
20 25 30

Glu Leu Cys Ala Asn Cys Ser Ser Ser Pro Arg Val Leu Cys Cys Val  
35 40 45

Val Met Ser Pro Leu Pro Xaa  
50 55

<210> 202

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 202

Met Ala Ser Glu Trp Val Gly Leu Ser Ser Leu Ile Thr Leu Leu Leu  
1 5 10 15

Leu Ser Cys Val Leu Ser Cys Ile Thr Leu Glu Glu Gly Glu Lys Glu  
20 25 30

Leu Val Phe Gly Pro Xaa  
35

<210> 203  
<211> 34  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals stop translation

<400> 203  
Met Cys Leu Leu Ala His Leu Phe Cys His His Leu Leu Ile Leu Leu  
1 5 10 15  
Pro Val Ile Glu Xaa Leu Leu Cys Thr Arg His Trp Ala Arg Gly Ile  
20 25 30

Leu Xaa

<210> 204  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals stop translation

<400> 204  
Met Gln Leu Val Leu Phe His Arg Leu Ile Met Pro Leu Phe Phe Ala  
1 5 10 15

Arg Thr Leu Val Asp Xaa  
20

<210> 205  
<211> 56  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals stop translation

<400> 205

Met Lys Gln Arg Gly Glu Gln Val Pro Leu Leu Leu Pro Pro Leu Leu  
 1 5 10 15  
 Leu Ser Thr Arg Leu Trp Pro Cys Trp Gly Val Pro Thr Glu Ser Val  
 20 25 30  
 Gly Ser Gly Leu Ala Arg Lys Ser Val Gly Ala Ser Gln Gly His Asn  
 35 40 45  
 Tyr Pro Met Pro His Arg Val Xaa  
 50 55

<210> 206  
 <211> 116  
 <212> PRT  
 <213> Homo sapiens

<400> 206  
 Met Phe Lys Ile His Glu Lys Ser Cys Asn Pro Ile Leu Ala Tyr Leu  
 1 5 10 15  
 Phe Leu Leu Leu Phe Gly Phe Cys Leu Ile Trp Lys Trp Thr Val Pro  
 20 25 30  
 Leu Leu Thr Ser Gly Arg Pro Tyr Glu Asn Leu Lys Pro Arg Gln Gly  
 35 40 45  
 Asp Lys Val Trp Ser Phe Ser Thr Lys Gly Arg Leu Arg Leu Leu Leu  
 50 55 60  
 Tyr Leu Glu Lys Gln Asn Val Val Ala Lys Asp Ser Glu Ser Gln Ile  
 65 70 75 80  
 Phe Phe Pro Gly Leu Ser Val Ser Glu Phe Leu Asp Phe Ser Phe Asn  
 85 90 95  
 Leu Ala Ile Arg Glu Phe Leu Arg Leu Glu Ile Pro Arg Gln Asn Pro  
 100 105 110  
 Asn Lys Ile Ser  
 115

<210> 207  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (84)  
 <223> Xaa equals stop translation

<400> 207  
 Met Lys Cys Leu Ala Pro Met Trp Val Ser Leu Trp Asp Ser Asp Pro  
 1 5 10 15  
 Leu Arg Ser Cys Leu Leu Leu Ile Pro His Phe Ser Val Phe Leu



20 25 30  
 Ile Leu Ala Ala Val Ser Cys Leu Pro Leu Ser Thr Ala Thr Arg Trp  
 35 40 45  
 Arg Gly Arg Asp Pro Val Leu Leu Ile Ile Cys Leu Leu Lys Asn Leu  
 50 55 60  
 Gln Asn Gly Lys Ile Thr Ile Cys Ala Glu Leu Ile Ile Ser Leu Lys  
 65 70 75 80  
 Phe Lys Thr Xaa

<210> 208  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals stop translation

<400> 208  
 Met Leu Phe Ser Phe Leu Phe Thr Arg Ala Thr Pro Ala Thr Phe Leu  
 1 5 10 15  
 Ser Leu Leu Val Arg Leu Ile Ser Ala Leu Glu His Pro Cys Cys Cys  
 20 25 30  
 His His Leu Lys Cys Phe Ser Ser Gly Ile Leu Phe Trp Xaa  
 35 40 45

<210> 209  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals stop translation

<400> 209  
 Met Ala Asn Thr Ala Arg Ile Phe Leu Leu Leu Pro Ile Phe Ile Ile  
 1 5 10 15  
 Glu Gly Asn Ala Asn Met Lys Ile Lys Met Ser Leu Phe Pro Gln Ser  
 20 25 30  
 Met Gln Phe Pro Pro Lys Leu Tyr Pro Xaa  
 35 40

<210> 210  
 <211> 41

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals stop translation

<400> 210  
 Met Glu Thr Gln Ile Cys Leu Thr Gln Ile Val Ala Leu Phe Phe Leu  
   1                  5                  10                  15  
 Arg Leu Val Leu Gly Lys Leu Thr Cys Phe Leu Tyr Gly Lys Leu Val  
                   20                  25                  30  
 Leu Val Glu Ala Phe Ile Leu Ala Xaa  
           35                  40

<210> 211  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals stop translation

<400> 211  
 Met Ala Ser His Cys Trp Met Gly Ala Val Cys Val Leu Phe Leu Gly  
   1                  5                  10                  15  
 Ile Ile Phe Leu Ala Ala Leu Phe Pro Tyr Ile Ser Phe Tyr Xaa  
           20                  25                  30

<210> 212  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<400> 212  
 Met Trp Arg Gly Gln Ser Phe Leu Leu Leu Leu Leu Leu Leu Leu  
   1                  5                  10                  15  
 Cys Phe Leu Arg Gln Cys Arg Ser Val Ala Gln Ala Gly Val Gln Trp  
           20                  25                  30  
 Cys Asp His Ser Ser Leu Gln Pro  
           35                  40

<210> 213  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (100)  
 <223> Xaa equals stop translation

<400> 213  
 Met Leu Trp Tyr Xaa Phe Pro Thr Thr Pro Leu Pro Ala Gln Val Gln  
           1                  5                  10                  15  
 Phe Trp Trp Cys Leu Cys Cys Cys Tyr Ile His Gly Ser Trp Trp Gly  
                   20                  25                  30  
 Pro Leu Ser Gln Ser Ser Ser Ser Cys Asn Ala Ser Val Thr Ala Leu  
           35                  40                  45  
 Ser Ser Gly Cys Cys Arg Pro Arg Ala Ser Ser Pro Thr Val Pro His  
           50                  55                  60  
 His Arg Leu Phe Pro Met Pro Ala His Thr Ser Val Asn Ser Pro Phe  
           65                  70                  75                  80  
 Ile Ser His Pro Ser Val Arg Pro Phe Glu Tyr Ala Ile Cys Phe Arg  
                   85                  90                  95  
 Ser Gly Gln Xaa  
                   100

<210> 214  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals stop translation

<400> 214  
 Met Leu Xaa Gln Phe Phe Leu Phe Val Cys Phe His Phe Ile Thr Tyr  
           1                  5                  10                  15  
 Gly Phe Leu Cys His Thr Thr Arg Asn Phe Glu Lys Xaa  
           20                  25

<210> 215  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals stop translation

<400> 215  
 Met Gln Pro Ser Cys Val Asn Phe Arg Leu Lys Leu Phe Tyr Ser His  
           1                  5                  10                  15  
 Thr Phe Met Leu Arg Leu Gly Phe Leu Phe Gly Leu Leu Asp Ala His  
                   20                  25                  30  
 Phe Asp Ile Asp Ile Arg Gly Phe Lys Pro Ser Leu Lys Gly Xaa  
           35                  40                  45

<210> 216  
 <211> 86  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (86)  
 <223> Xaa equals stop translation

<400> 216  
 Glu Leu Gln Pro Asn Pro His Ala Arg Ala Lys Pro Cys Cys Tyr Leu  
           1                  5                  10                  15  
 Leu Phe Leu Ser Cys Leu Ile Pro Ser Met Phe Ser Leu Ser Val Asp  
                   20                  25                  30  
 Pro Val Ser Pro Val Leu Arg Ile Val Pro Gly Ser Asp His Phe Ser  
           35                  40                  45  
 Leu Pro Leu Leu Leu Pro Pro Pro Leu Ala Trp Ile Ile Ala Ala Ala  
           50                  55                  60  
 Ser Gln Leu Ala Leu Leu Cys Pro Ser Leu Phe Ser Pro Ser Val Cys  
           65                  70                  75                  80  
 Ser Gln Gln Arg Ser Xaa  
                   85

<210> 217  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals stop translation

<400> 217  
 Met Ala Gly Asn Gln Gln Phe Val Asn Leu Leu Leu Arg Ser Val Ile

1                      5                      10                      15  
 His Ser Val Ala Tyr Phe Leu Ser Xaa  
                     20                      25

<210> 218  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals stop translation

<400> 218  
 Met Trp Asp Tyr Lys Thr Val Leu Leu Ala Phe Lys Gln Leu Xaa  
   1                      5                      10                      15

<210> 219  
 <211> 82  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 219  
 Met Leu Met Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu His  
   1                      5                      10                      15

Thr Ser Ile Ser Asn Cys Leu Leu Asp Ile Ser Ile Tyr Lys Pro Ser  
                     20                      25                      30

Ser Leu Ile Ser Ile Thr Ser Asp Leu Pro Gly Leu Thr Leu Lys Ser  
                     35                      40                      45

Xaa Asn Phe Ser Pro Thr Pro Met Pro Gly Gln Asn Leu Val Val Thr  
                     50                      55                      60

Ser Tyr Ser Ser Leu Ala Ser Ser His Pro Cys Ser Val Cys Gln Trp  
   65                      70                      75                      80

Ile Leu

<210> 220  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 220  
 Pro Asn Lys His Asn Leu Arg Leu Thr Arg Pro His Thr Glu Val  
   1                      5                      10                      15

<210> 221  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 221  
 Gly Thr Ser Leu Phe Leu Trp Ala Leu Tyr Val Ile Tyr Met Leu Met  
   1                  5                  10                  15  
 Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu His Thr Ser Ile  
                   20                  25                  30  
 Ser Asn Cys Leu Leu Asp Ile Ser Ile Tyr Lys Pro Ser Ser Leu Ile  
           35                  40                  45  
 Ser Ile Thr Ser Asp Leu Pro Gly Leu Thr Leu Lys Ser Xaa Asn Phe  
       50                  55                  60  
 Ser Pro Thr Pro Met Pro Gly Gln Asn Leu Val Val Thr Ser Tyr Ser  
 .65                  70                  75                  80  
 Ser Leu Ala Ser Ser His Pro Cys Ser Val Cys Gln Trp Ile Leu  
                   85                  90                  95

<210> 222  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 222  
 Met Leu Met Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu His  
   1                  5                  10                  15  
 Thr Ser Ile Ser Asn Cys Leu Leu Asp Ile Ser Ile Tyr  
           20                  25

<210> 223  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 223  
 Lys Pro Ser Ser Leu Ile Ser Ile Thr Ser Asp Leu Pro Gly Leu Thr  
   1                  5                  10                  15

Leu Lys Ser Xaa Asn Phe Ser Pro Thr Pro Met Pro  
                   20                                  25

<210> 224  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 224  
 Gly Gln Asn Leu Val Val Thr Ser Tyr Ser Ser Leu Ala Ser Ser His  
   1                                  5                                  10                                  15

Pro Cys Ser Val Cys Gln Trp Ile Leu  
                                   20                                  25

<210> 225  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 225  
 Gly Thr Ser Leu Phe Leu Trp Ala Leu Tyr Val Ile Tyr Met Leu Met  
   1                                  5                                  10                                  15

Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu  
                                   20                                  25

<210> 226  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<400> 226  
 Leu Ala Pro Arg Phe Ala Phe Ser Gln Cys Ser Leu Ala Ile Met Leu  
   1                                  5                                  10                                  15

Thr Leu Leu Phe Gln Ile His Phe Leu Met Ile Leu Ser Ser Asn Trp  
                                   20                                  25                                  30

Ala Tyr Leu Lys Asp Ala Ser Lys Met Gln Ala Tyr Gln Asp Ile Lys  
                                   35                                  40                                  45

Ala Lys Glu Glu Gln Glu Leu Gln Asp Ile Gln Ser Arg Ser Lys Glu  
                                   50                                  55                                  60

Gln Leu Asn Ser Tyr Thr  
   65                                  70

<210> 227  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 227  
 Leu Ala Pro Arg Phe Ala Phe Ser Gln Cys Ser Leu Ala Ile Met Leu

1                    5                    10                    15  
 Thr Leu Leu Phe Gln Ile His Phe Leu Met Ile Leu Ser Ser Asn Trp  
                   20                    25                    30  
 Ala Tyr Leu Lys Asp  
                   35

<210> 228  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 228  
 Ala Ser Lys Met Gln Ala Tyr Gln Asp Ile Lys Ala Lys Glu Glu Gln  
   1                    5                    10                    15  
 Glu Leu Gln Asp Ile Gln Ser Arg Ser Lys Glu Gln Leu Asn Ser Tyr  
                   20                    25                    30

Thr

<210> 229  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 229  
 Leu Ile Ser Gln Thr Ser Phe Ser Leu Pro Ser Pro Gly Pro Ile Asn  
   1                    5                    10                    15

Phe Leu Ser Gln Ser Glu Ile Tyr Phe Ser Ile  
                   20                    25

<210> 230  
 <211> 56  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 230  
 Ile Arg His Glu Gly Gly Gly Gln Pro Phe Thr Ser Xaa Pro Leu Glu  
   1                    5                    10                    15

Ile Leu Phe Phe Leu Asn Gly Trp Tyr Asn Ala Thr Tyr Phe Leu Leu  
                   20                    25                    30

Glu Leu Phe Ile Phe Leu Tyr Lys Gly Val Leu Leu Pro Tyr Pro Thr  
                   35                    40                    45

Ala Asn Leu Val Leu Asp Val Val



50

55

<210> 231  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<400> 231  
 Met Val His Thr Arg Cys Ser Gly His Gly Asp Gln Gly Gly Glu Leu  
           1                  5                  10                  15  
 Glu Val Ser Arg Gly Leu Val Leu Arg Arg Gly Arg Met Gly Ile Thr  
                   20                  25                  30  
 Leu Pro Leu Pro Ile Leu Glu Cys Arg Arg Val Ser Trp Ala Asp Gly  
           35                  40                  45  
 Pro Gly Leu Glu Asp Gly Thr His Trp Pro Tyr Ala Glu Leu Leu Ala  
           50                  55                  60  
 Gln Met Ser Val Leu Lys Lys Ser His Thr Ala Phe Leu Arg Thr Thr  
           65                  70                  75                  80  
 Cys Pro Thr Asn Ser His Trp Cys Gly  
                   85

<210> 232  
 <211> 116  
 <212> PRT  
 <213> Homo sapiens

<400> 232  
 Thr Arg Thr Ile Ser Pro Arg Asp Ser Ser Thr Leu Gln Tyr Arg Glu  
           1                  5                  10                  15  
 Gly Gln Gly Tyr Ser His Pro Ala Pro Ser Gln Asn Gln Ser Pro Ala  
           20                  25                  30  
 Asp Leu Lys Phe Ser Ser Leu Ile Thr Val Ala Arg Ala Ser Arg Val  
           35                  40                  45  
 Asp His Leu Gly Ser Leu Gly Phe Lys Gln Asp Leu Ser His Met Leu  
           50                  55                  60  
 Pro Val Arg Ala Val Leu Tyr Leu Ser His Met Ser Thr Glu Ser Leu  
           65                  70                  75                  80  
 Met Leu Val Gly Phe Gln Ser Asp Val Lys Ala Ser His Pro Asn Pro  
                   85                  90                  95  
 Arg Arg Leu Ser Thr Thr Phe Leu Val Ala His Ser Val Ile Phe  
           100                  105                  110  
 Leu Leu Ser Ser  
           115

<210> 233  
 <211> 276  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 233  
 Arg Val Ile Arg Leu Thr Xaa Arg Ala Asn Trp Ser Ser Thr Ala Val  
   1                  5                  10                  15  
 Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala  
           20                  25                  30  
 Arg Val Lys Tyr Cys Val Val Tyr Asp Asn Asn Ser Ser Thr Leu Glu  
       35                  40                  45  
 Ile Leu Leu Lys Asp Asp Asp Asp Asp Ser Asp Ser Asp Gly Asp Gly  
   50                  55                  60  
 Lys Asp Leu Val Pro Gln Ala Ala Ile Glu Tyr Gly Arg Ile Leu Thr  
   65                  70                  75                  80  
 Arg Leu Thr His His Pro Val Tyr Ile Leu Lys Gly Gly Tyr Glu Arg  
           85                  90                  95  
 Phe Ser Gly Thr Tyr His Phe Leu Arg Thr Gln Lys Ile Ile Trp Met  
       100                  105                  110  
 Pro Gln Glu Leu Asp Ala Phe Gln Pro Tyr Pro Ile Glu Ile Val Pro  
       115                  120                  125  
 Gly Lys Val Phe Val Gly Asn Phe Ser Gln Ala Cys Asp Pro Lys Ile  
       130                  135                  140  
 Gln Lys Asp Leu Lys Ile Lys Ala His Val Asn Val Ser Met Asp Thr  
   145                  150                  155                  160  
 Gly Pro Phe Phe Ala Gly Asp Ala Asp Lys Leu Leu His Ile Arg Ile  
           165                  170                  175  
 Glu Asp Ser Pro Glu Ala Gln Ile Leu Pro Phe Leu Arg His Met Cys  
       180                  185                  190  
 His Phe Ile Glu Ile His His His Leu Gly Ser Val Ile Leu Ile Phe  
       195                  200                  205  
 Ser Thr Gln Gly Ile Ser Arg Ser Cys Ala Ala Ile Ile Ala Tyr Leu  
       210                  215                  220  
 Met His Ser Asn Glu Gln Thr Leu Gln Arg Ser Trp Ala Tyr Val Lys  
   225                  230                  235                  240  
 Lys Cys Lys Asn Asn Met Cys Pro Asn Arg Gly Leu Val Ser Gln Leu  
           245                  250                  255

Leu Glu Trp Glu Lys Thr Ile Leu Gly Asp Ser Ile Thr Asn Ile Met  
                   260                                  265                                  270

Asp Pro Leu Tyr  
                   275

<210> 234

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 234

Arg Val Ile Arg Leu Thr Xaa Arg Ala Asn Trp Ser Ser Thr Ala Val  
       1                                  5                                  10                                  15

Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala  
                   20                                  25                                  30

Arg Val Lys Tyr Cys  
                   35

<210> 235

<211> 34

<212> PRT

<213> Homo sapiens

<400> 235

Val Val Tyr Asp Asn Asn Ser Ser Thr Leu Glu Ile Leu Leu Lys Asp  
       1                                  5                                  10                                  15

Asp Asp Asp Asp Ser Asp Ser Asp Gly Asp Gly Lys Asp Leu Val Pro  
                   20                                  25                                  30

Gln Ala

<210> 236

<211> 36

<212> PRT

<213> Homo sapiens

<400> 236

Ala Ile Glu Tyr Gly Arg Ile Leu Thr Arg Leu Thr His His Pro Val  
       1                                  5                                  10                                  15

Tyr Ile Leu Lys Gly Gly Tyr Glu Arg Phe Ser Gly Thr Tyr His Phe  
                   20                                  25                                  30

Leu Arg Thr Gln  
                   35

<210> 237  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 237  
 Lys Ile Ile Trp Met Pro Gln Glu Leu Asp Ala Phe Gln Pro Tyr Pro  
   1                  5                  10                  15  
 Ile Glu Ile Val Pro Gly Lys Val Phe Val Gly Asn Phe Ser Gln Ala  
                   20                  25                  30  
 Cys Asp Pro  
           35

<210> 238  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 238  
 Lys Ile Gln Lys Asp Leu Lys Ile Lys Ala His Val Asn Val Ser Met  
   1                  5                  10                  15  
 Asp Thr Gly Pro Phe Phe Ala Gly Asp Ala Asp Lys Leu Leu His Ile  
                   20                  25                  30  
 Arg Ile Glu Asp  
           35

<210> 239  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 239  
 Ser Pro Glu Ala Gln Ile Leu Pro Phe Leu Arg His Met Cys His Phe  
   1                  5                  10                  15  
 Ile Glu Ile His His His Leu Gly Ser Val Ile Leu Ile Phe Ser Thr  
                   20                  25                  30  
 Gln Gly Ile  
           35

<210> 240  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 240  
 Ser Arg Ser Cys Ala Ala Ile Ile Ala Tyr Leu Met His Ser Asn Glu  
   1                  5                  10                  15  
 Gln Thr Leu Gln Arg Ser Trp Ala Tyr Val Lys Lys Cys Lys Asn Asn

20 25 30

Met Cys Pro Asn  
35

<210> 241  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 241  
Arg Gly Leu Val Ser Gln Leu Leu Glu Trp Glu Lys Thr Ile Leu Gly  
1 5 10 15  
Asp Ser Ile Thr Asn Ile Met Asp Pro Leu Tyr  
20 25

<210> 242  
<211> 196  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (98)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 242  
Ile Arg His Glu Phe Thr Ser Glu Lys Ser Trp Lys Ser Ser Cys Asn  
1 5 10 15  
Glu Gly Glu Ser Ser Ser Thr Ser Tyr Met His Gln Arg Ser Pro Gly  
20 25 30  
Gly Pro Thr Lys Leu Ile Glu Ile Ile Ser Asp Cys Asn Trp Glu Glu  
35 40 45  
Asp Arg Asn Lys Ile Leu Ser Ile Leu Ser Gln His Ile Asn Ser Asn  
50 55 60  
Met Pro Gln Ser Leu Lys Val Gly Ser Phe Ile Ile Glu Leu Ala Ser  
65 70 75 80  
Gln Arg Lys Ser Arg Gly Glu Lys Asn Pro Pro Val Tyr Ser Ser Arg  
85 90 95  
Val Xaa Ile Ser Met Pro Ser Cys Gln Asp Gln Asp Asp Met Ala Glu  
100 105 110  
Lys Ser Gly Ser Glu Thr Pro Asp Gly Pro Leu Ser Pro Gly Lys Met  
115 120 125  
Glu Asp Ile Ser Pro Val Gln Thr Asp Ala Leu Asp Ser Val Arg Glu  
130 135 140  
Arg Leu His Gly Gly Lys Gly Leu Pro Phe Tyr Ala Gly Leu Ser Pro  
145 150 155 160

Ala Gly Lys Leu Val Ala Tyr Lys Arg Lys Pro Ser Ser Ser Thr Ser  
                   165                  170                  175

Gly Leu Ile Gln Val Arg Ile Ile Phe Asn Leu Gly Ile Ala Pro Leu  
                   180                  185                  190

Tyr Thr Pro Arg  
                   195

<210> 243  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 243  
 Glu Phe Gly Thr Ser Leu His Gln Lys Arg Ala Gly Ser Leu Pro Ala  
   1                  5                  10                  15

<210> 244  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 244  
 Ile Arg His Glu Phe Thr Ser Glu Lys Ser Trp Lys Ser Ser Cys Asn  
   1                  5                  10                  15

Glu Gly Glu Ser Ser Ser Thr Ser Tyr Met His Gln Arg Ser Pro Gly  
                   20                  25                  30

Gly Pro Thr Lys Leu  
                   35

<210> 245  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 245  
 Ile Glu Ile Ile Ser Asp Cys Asn Trp Glu Glu Asp Arg Asn Lys Ile  
   1                  5                  10                  15

Leu Ser Ile Leu Ser Gln His Ile Asn Ser Asn Met Pro Gln Ser Leu  
                   20                  25                  30

Lys

<210> 246  
 <211> 36  
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 246

Val Gly Ser Phe Ile Ile Glu Leu Ala Ser Gln Arg Lys Ser Arg Gly  
1 5 10 15

Glu Lys Asn Pro Pro Val Tyr Ser Ser Arg Val Xaa Ile Ser Met Pro  
20 25 30

Ser Cys Gln Asp  
35

<210> 247

<211> 34

<212> PRT

<213> Homo sapiens

<400> 247

Gln Asp Asp Met Ala Glu Lys Ser Gly Ser Glu Thr Pro Asp Gly Pro  
1 5 10 15

Leu Ser Pro Gly Lys Met Glu Asp Ile Ser Pro Val Gln Thr Asp Ala  
20 25 30

Leu Asp

<210> 248

<211> 24

<212> PRT

<213> Homo sapiens

<400> 248

Cys Asn Ile Glu Tyr Ile Arg Ser Asp Lys Cys Met Phe Lys His Glu  
1 5 10 15

Leu Glu Glu Leu Arg Thr Thr Ile  
20

<210> 249

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 249

His	His	Gln	Gln	Val	Pro	Glu	Xaa	Asp	Arg	Glu	Asp	Ser	Pro	Glu	Arg
1				5					10					15	

Cys	Ser	Asp	Xaa	Xaa	Glu	Glu	Lys	Lys	Ala	Arg	Arg	Gly	Arg	Ser	Pro
		20					25						30		

Lys	Gly	Glu	Phe	Lys	Asp	Glu	Glu	Glu	Thr	Val	Thr	Thr	Lys	His	Ile
	35						40					45			

His	Ile	Thr	Gln	Ala	Thr	Glu	Thr	Thr	Thr	Thr	Arg	His	Lys	Arg	Thr
	50					55					60				

Ala	Asn	Pro	Ser	Lys	Thr	Ile	Asp	Leu	Gly	Ala	Ala	Ala	His	Tyr	Thr
65					70					75					80

Gly	Asp	Lys	Ala	Ser	Pro	Asp	Gln	Asn	Ala	Ser	Thr	His	Thr	Pro	Gln
				85					90					95	

Ser	Ser	Val	Lys	Thr	Ser	Val	Pro	Ser	Ser	Lys	Ser	Ser	Gly	Asp	Leu
			100					105					110		

Val	Asp	Leu	Phe	Asp	Gly	Thr	Ser	Gln	Cys	Asn	Arg	Arg	Xaa	Ser	
		115					120						125		

<210> 250

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids



&lt;400&gt; 250

Val Ser Ser Asp Ser Val Gly Gly Phe Arg Tyr Ser Glu Arg Tyr Asp  
 1 5 10 15

Pro Glu Pro Lys Ser Lys Trp Asp Glu Glu Trp Asp Lys Asn Lys Ser  
 20 25 30

Ala Phe Pro Phe Ser Asp Lys Leu Gly Glu Leu Ser Asp Lys Ile Gly  
 35 40 45

Ser Thr Ile Asp Asp Thr Ile Ser Lys Phe Arg Xaa Lys Ile Glu Lys  
 50 55 60

Thr Leu Gln Lys Asp Ala Ala Thr Xaa Xaa Arg Lys Arg Lys Arg Glu  
 65 70 75 80

Glu Ala Asp Leu Pro Lys Val Asn Ser Lys Met Lys Arg Arg Leu  
 85 90 95

&lt;210&gt; 251

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 251

Arg Gln Ser Ile Phe Ile Ser His Arg Pro Gln Arg Pro Pro Gln Pro  
 1 5 10 15

Asp Thr Ser Ala Gln Gln Ile Leu Pro Lys Pro Leu Ile Leu Glu Gln  
 20 25 30

Gln His Ile Thr Gln Gly Thr Lys Gln Val Gln Ile Arg  
 35 40 45

&lt;210&gt; 252

&lt;211&gt; 190

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (163)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (180)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 252

Asp Gln Asp Gly Leu Arg Ala Val Ala Ala Leu Thr Leu His Gln Gly  
 1 5 10 15

Arg Gln Leu Leu Tyr Arg Lys Phe Val His Pro Ser Leu Ser Arg His  
                   20                  25                  30  
 Glu Lys Glu Ile Asp Ala Tyr Ile Val Gln Ala Lys Glu Arg Ser Tyr  
           35                  40                  45  
 Glu Thr Val Leu Ser Phe Gly Lys Arg Gly Leu Asn Ile Ala Ala Ser  
       50                  55                  60  
 Ala Ala Val Gln Ala Ala Thr Xaa Ser Gln Gly Ala Leu Ala Gly Arg  
   65                  70                  75                  80  
 Leu Arg Ser Phe Ser Met Gln Asp Leu Arg Ser Ile Ser Asp Ala Pro  
                   85                  90                  95  
 Ala Pro Ala Tyr His Asp Pro Leu Tyr Leu Glu Asp Gln Val Ser His  
           100                  105                  110  
 Arg Arg Pro Pro Ile Gly Tyr Arg Ala Gly Gly Leu Gln Asp Ser Asp  
       115                  120                  125  
 Thr Glu Asp Glu Cys Trp Ser Asp Thr Glu Ala Val Pro Arg Ala Pro  
   130                  135                  140  
 Ala Arg Pro Arg Glu Lys Pro Leu Ile Arg Ser Gln Ser Leu Arg Val  
 145                  150                  155                  160  
 Val Lys Xaa Lys Pro Pro Val Arg Glu Gly Thr Ser Arg Ser Leu Lys  
                   165                  170                  175  
 Val Arg Thr Xaa Lys Lys Thr Val Pro Ser Asp Val Asp Ser  
           180                  185                  190

<210> 253  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 253  
 Ala Ala Ser Trp Gly Pro Pro His Val Pro Lys Ala Gly Lys  
   1                  5                  10

<210> 254  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 254  
 Asp Gln Asp Gly Leu Arg Ala Val Ala Ala Leu Thr Leu His Gln Gly  
   1                  5                  10                  15

Arg Gln Leu Leu Tyr Arg Lys Phe Val His Pro Ser Leu Ser Arg His  
           20                  25                  30

Glu Lys Glu Ile Asp Ala  
   35

<210> 255  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 255  
 Tyr Ile Val Gln Ala Lys Glu Arg Ser Tyr Glu Thr Val Leu Ser Phe  
   1                  5                  10                  15  
 Gly Lys Arg Gly Leu Asn Ile Ala Ala Ser Ala Ala Val Gln Ala Ala  
                   20                  25                  30  
 Thr Xaa Ser Gln  
                   35

<210> 256  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 256  
 Gly Ala Leu Ala Gly Arg Leu Arg Ser Phe Ser Met Gln Asp Leu Arg  
   1                  5                  10                  15  
 Ser Ile Ser Asp Ala Pro Ala Pro Ala Tyr His Asp Pro Leu Tyr Leu  
                   20                  25                  30  
 Glu Asp

<210> 257  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 257  
 Gln Val Ser His Arg Arg Pro Pro Ile Gly Tyr Arg Ala Gly Gly Leu  
   1                  5                  10                  15  
 Gln Asp Ser Asp Thr Glu Asp Glu Cys Trp Ser Asp Thr Glu Ala Val  
                   20                  25                  30  
 Pro Arg Ala  
                   35

<210> 258  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 258  
 Pro Ala Arg Pro Arg Glu Lys Pro Leu Ile Arg Ser Gln Ser Leu Arg  
   1                  5                  10                  15  
 Val Val Lys Xaa Lys Pro Pro Val Arg Glu Gly Thr Ser Arg Ser Leu  
                   20                  25                  30  
  
 Lys Val Arg  
           35  
  
 <210> 259  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 259  
 Pro Val Arg Glu Gly Thr Ser Arg Ser Leu Lys Val Arg Thr Xaa Lys  
   1                  5                  10                  15  
  
 Lys Thr Val Pro Ser Asp Val Asp Ser  
                   20                  25  
  
 <210> 260  
 <211> 153  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (84)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (110)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (120)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (149)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 260  
 Leu Cys His Arg Leu Pro Gly Arg Leu Gln Leu Leu Gly Val Pro Val  
 1 5 10 15  
 His Ala Gly Pro Leu Trp Val Tyr Ser Gly Leu Pro Gly Thr His Asp  
 20 25 30  
 His Arg His Pro Pro Gly Leu Pro Arg Pro Leu Ala Xaa His Xaa Gly  
 35 40 45  
 Pro Ala Leu His Gln His Trp Gly Pro Gly Ala Leu Gln Glu Ser Gln  
 50 55 60  
 Ala Gly Gly Xaa Arg Arg Gly Pro Pro His Ser Gly Arg Tyr Leu Arg  
 65 70 75 80  
 Asp Gly Gly Xaa Leu Leu Val Arg Phe Asn Ile Thr Arg Asp Phe Phe  
 85 90 95  
 Asp Pro Leu Tyr Pro Gly Thr Lys Tyr Glu Leu Gly Pro Xaa Leu Tyr  
 100 105 110  
 Leu Gly Trp Ser Ala Ser Leu Xaa Ser Ile Leu Gly Gly Leu Cys Leu  
 115 120 125  
 Cys Ser Ala Cys Cys Cys Gly Ser Asp Glu Asp Gln Pro Pro Ala Pro  
 130 135 140  
 Gly Gly Pro Thr Xaa Leu Pro Cys Pro  
 145 150

<210> 261  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 261  
 Gly Val Leu Pro Leu Pro Pro Leu Trp Gly His Gln Pro Pro Arg Val  
 1 5 10 15

Leu His Pro Thr  
 20

<210> 262  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 262  
 Leu Cys His Arg Leu Pro Gly Arg Leu Gln Leu Leu Gly Val Pro Val  
           1                  5                  10                  15

His Ala Gly Pro Leu Trp Val Tyr Ser Gly Leu Pro Gly Thr His Asp  
                   20                  25                  30

His Arg

<210> 263  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 263  
 His Pro Pro Gly Leu Pro Arg Pro Leu Ala Xaa His Xaa Gly Pro Ala  
           1                  5                  10                  15

Leu His Gln His Trp Gly Pro Gly Ala Leu Gln Glu Ser Gln Ala Gly  
                   20                  25                  30

Gly Xaa Arg Arg Gly  
           35

<210> 264  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 264

Pro Pro His Ser Gly Arg Tyr Leu Arg Asp Gly Gly Xaa Leu Leu Val  
 1 5 10 15

Arg Phe Asn Ile Thr Arg Asp Phe Phe Asp Pro Leu Tyr Pro Gly Thr  
 20 25 30

Lys Tyr Glu  
 35

&lt;210&gt; 265

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 265

Leu Gly Pro Xaa Leu Tyr Leu Gly Trp Ser Ala Ser Leu Xaa Ser Ile  
 1 5 10 15

Leu Gly Gly Leu Cys Leu Cys Ser Ala Cys Cys Cys Gly Ser Asp Glu  
 20 25 30

Asp Gln Pro Pro  
 35

&lt;210&gt; 266

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 266

Ser Ala Cys Cys Cys Gly Ser Asp Glu Asp Gln Pro Pro Ala Pro Gly  
 1 5 10 15

Gly Pro Thr Xaa Leu Pro Cys  
 20

&lt;210&gt; 267

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 267

Val Asp Gln Met Phe Gln Phe Ala Ser Ile Asp Val Ala Gly Asn Leu  
 1 5 10 15

Asp Tyr Lys Ala Leu Ser Tyr Val Ile Thr His Gly Glu Glu Lys Glu  
 20 25 30

Glu

&lt;210&gt; 268

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 268

Ile Arg His Glu Ala Tyr Val Ile Leu Ala Val Cys Leu Gly Gly  
 1 5 10 15

&lt;210&gt; 269

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 269

Phe Ala Pro Gly Ala Arg Lys Glu Pro Phe Arg Pro Arg Pro Gln Val  
 1 5 10 15

Asp Gln Met Phe Gln Phe Ala Ser Ile Asp Val Ala Gly Asn Leu Asp  
 20 25 30

Tyr Lys Ala Leu Ser Tyr Val Ile Thr His Gly Glu Glu Lys Glu Glu  
 35 40 45

&lt;210&gt; 270

&lt;211&gt; 185

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 270

Trp Ile Gln Arg Ile Arg His Glu Thr Asn Pro Lys Cys Ser Tyr Ile  
 1 5 10 15

Pro Pro Cys Lys Arg Glu Asn Gln Lys Asn Leu Glu Ser Val Met Asn  
 20 25 30

Trp Gln Gln Tyr Trp Lys Asp Glu Ile Gly Ser Gln Pro Phe Thr Cys



	35		40		45														
Tyr	Phe	Asn	Gln	His	Gln	Arg	Pro	Asp	Asp	Val	Leu	Leu	His	Arg	Thr				
	50					55					60								
His	Asp	Glu	Ile	Val	Leu	Leu	His	Cys	Phe	Leu	Trp	Pro	Leu	Val	Thr				
65					70					75					80				
Phe	Val	Val	Gly	Val	Leu	Ile	Val	Val	Leu	Thr	Ile	Cys	Ala	Lys	Ser				
				85					90					95					
Leu	Ala	Val	Lys	Ala	Glu	Ala	Met	Xaa	Glu	Ala	Gln	Val	Leu	Leu	Lys				
		100						105					110						
Gly	Lys	Glu	Ala	Cys	Arg	Lys	Gln	Ser	Thr	Glu	Ala	Val	Leu	Ile	Gly				
	115					120						125							
Thr	Arg	Pro	Pro	Ala	Glu	Pro	Val	Phe	Pro	Gly	Ala	Gly	Asp	Gly	Gln				
	130					135					140								
Gly	His	Asp	Arg	Ala	Leu	Arg	Gly	Ser	Ser	Leu	Ser	Gly	Asn	Arg	Asn				
145					150					155					160				
Arg	His	Asn	Trp	Lys	Thr	Trp	Asn	Leu	Lys	Ala	Cys	Ile	Pro	Ser	Ala				
			165						170					175					
Val	Ala	Met	Ala	Lys	Gly	Ser	Arg	Ser											
		180						185											

<210> 271  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 271  
 Trp Ile Gln Arg Ile Arg His Glu Thr Asn Pro Lys Cys Ser Tyr Ile  
 1 5 10 15  
 Pro Pro Cys Lys Arg Glu Asn Gln Lys Asn Leu Glu Ser Val Met Asn  
 20 25 30  
 Trp Gln Gln Tyr  
 35

<210> 272  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 272  
 Trp Lys Asp Glu Ile Gly Ser Gln Pro Phe Thr Cys Tyr Phe Asn Gln  
 1 5 10 15  
 His Gln Arg Pro Asp Asp Val Leu Leu His Arg Thr His Asp Glu Ile  
 20 25 30

Val Leu Leu

35

&lt;210&gt; 273

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 273

His	Cys	Phe	Leu	Trp	Pro	Leu	Val	Thr	Phe	Val	Val	Gly	Val	Leu	Ile
1				5					10					15	

Val	Val	Leu	Thr	Ile	Cys	Ala	Lys	Ser	Leu	Ala	Val	Lys	Ala	Glu	Ala
			20					25						30	

Met	Xaa	Glu
		35

&lt;210&gt; 274

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 274

Ala	Gln	Val	Leu	Leu	Lys	Gly	Lys	Glu	Ala	Cys	Arg	Lys	Gln	Ser	Thr
1				5					10					15	

Glu	Ala	Val	Leu	Ile	Gly	Thr	Arg	Pro	Pro	Ala	Glu	Pro	Val	Phe	Pro
			20					25					30		

Gly	Ala	Gly	Asp
			35

&lt;210&gt; 275

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

Gly	Gln	Gly	His	Asp	Arg	Ala	Leu	Arg	Gly	Ser	Ser	Leu	Ser	Gly	Asn
1				5					10					15	

Arg	Asn	Arg	His	Asn	Trp	Lys	Thr	Trp	Asn	Leu	Lys	Ala	Cys	Ile	Pro
			20					25					30		

Ser	Ala	Val	Ala	Met	Ala	Lys	Gly	Ser	Arg	Ser
			35				40			

&lt;210&gt; 276

&lt;211&gt; 55

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 276

Lys Leu Phe Tyr Lys Lys Lys Cys Thr Cys Ile Cys Gln Lys Leu Leu  
1 5 10 15

Tyr Phe Met Met Phe Leu Lys Lys Val Ile Thr Ser Ala Ser Ile Thr  
20 25 30

Ser Leu Thr Cys Gln Ser Thr Val Leu Leu Pro Asn Pro Thr Gln Glu  
35 40 45

Lys Ala Thr Xaa Lys Asn Thr  
50 55

<210> 277

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 277

His Tyr Glu Lys Val Arg Leu Gln Val Pro Ile Arg Asn Ser Arg Val  
1 5 10 15

Asp Pro Arg Val Xaa Lys Phe Thr Ile Ser Asp His Pro Gln Pro Ile  
20 25 30

Asp Pro Leu Leu Lys Asn Cys Ile Gly Asp Phe Leu Lys Thr Leu Glu  
35 40 45

Asp Pro Asp Leu Asn Val Arg Arg Val Ala Leu Val Thr Phe Asn Ser  
50 55 60

Ala Ala His Asn Lys Pro Ser Leu Ile Arg Asp Leu Leu Asp Thr Val  
65 70 75 80

Leu Pro His Leu Tyr Asn Glu Thr Lys Val Arg Lys Glu Leu Ile Arg  
85 90 95

Glu Val Glu Met Gly Pro Phe Lys His Thr Val Asp Asp Gly Leu Asp  
100 105 110

Ile Arg Lys Ala Ala Phe Glu Cys Met Tyr Thr Leu Leu Asp Ser Cys  
115 120 125

Leu Asp Arg Leu Asp Ile Phe Glu Phe Leu Asn His Val Glu Asp Gly  
130 135 140

Leu Lys Asp His Tyr Asp Ile Lys  
145 150

<210> 278  
<211> 37  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 278  
His Tyr Glu Lys Val Arg Leu Gln Val Pro Ile Arg Asn Ser Arg Val  
1 5 10 15

Asp Pro Arg Val Xaa Lys Phe Thr Ile Ser Asp His Pro Gln Pro Ile  
20 25 30

Asp Pro Leu Leu Lys  
35

<210> 279  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 279  
Asn Cys Ile Gly Asp Phe Leu Lys Thr Leu Glu Asp Pro Asp Leu Asn  
1 5 10 15

Val Arg Arg Val Ala Leu Val Thr Phe Asn Ser Ala Ala His Asn Lys  
20 25 30

Pro Ser

<210> 280  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 280  
Leu Ile Arg Asp Leu Leu Asp Thr Val Leu Pro His Leu Tyr Asn Glu  
1 5 10 15

Thr Lys Val Arg Lys Glu Leu Ile Arg Glu Val Glu Met Gly Pro Phe  
20 25 30

Lys His Thr Val Asp  
35

<210> 281  
<211> 44

<212> PRT  
 <213> Homo sapiens

<400> 281

Asp Gly Leu Asp Ile Arg Lys Ala Ala Phe Glu Cys Met Tyr Thr Leu  
 1 5 10 15  
 Leu Asp Ser Cys Leu Asp Arg Leu Asp Ile Phe Glu Phe Leu Asn His  
 20 25 30  
 Val Glu Asp Gly Leu Lys Asp His Tyr Asp Ile Lys  
 35 40

<210> 282  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<400> 282

Ile Arg His Glu His Leu Arg Gly Val Gln Glu Arg Val Asn Leu Ser  
 1 5 10 15  
 Ala Pro Leu Leu Pro Lys Glu Asp Pro Ile Phe Thr Tyr Leu Ser Lys  
 20 25 30  
 Arg Leu Gly Arg Ser Ile Asp Asp Ile Gly His Leu Ile His Glu Gly  
 35 40 45  
 Leu Gln Lys Asn Thr Ser Ser Trp Val Leu Tyr Asn Met Ala Ser Phe  
 50 55 60  
 Tyr Trp Arg Ile Lys Asn Glu Pro Tyr Gln Val Val Glu Cys Ala  
 65 70 75

<210> 283  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 283

Ile Arg His Glu His Leu Arg Gly Val Gln Glu Arg Val Asn Leu Ser  
 1 5 10 15  
 Ala Pro Leu Leu Pro Lys Glu Asp Pro Ile Phe Thr Tyr Leu Ser Lys  
 20 25 30  
 Arg Leu Gly Arg Ser Ile Asp Asp Ile Gly  
 35 40

<210> 284  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 284

His Leu Ile His Glu Gly Leu Gln Lys Asn Thr Ser Ser Trp Val Leu

1                    5                    10                    15  
 Tyr Asn Met Ala Ser Phe Tyr Trp Arg Ile Lys Asn Glu Pro Tyr Gln  
                   20                    25                    30

Val Val Glu Cys Ala  
                   35

<210> 285  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 285  
 Glu Phe Gly Thr Ser Pro His Gln Thr Cys Gly Arg Arg Pro Gly Thr  
   1                    5                    10                    15

Ala Ala Gly Trp Leu Leu Ala His Ser Thr Val  
                   20                    25

<210> 286  
 <211> 296  
 <212> PRT  
 <213> Homo sapiens

<400> 286  
 Asn Ser Ala Arg Asp Ser Leu Asn Thr Ala Ile Gln Ala Trp Gln Gln  
   1                    5                    10                    15

Asn Lys Cys Pro Glu Val Glu Glu Leu Val Phe Ser His Phe Val Ile  
                   20                    25                    30

Cys Asn Asp Thr Gln Glu Thr Leu Arg Phe Gly Gln Val Asp Thr Asp  
                   35                    40                    45

Glu Asn Ile Leu Leu Ala Ser Leu His Ser His Gln Tyr Ser Trp Arg  
   50                    55                    60

Ser His Lys Ser Pro Gln Leu Leu His Ile Cys Ile Glu Gly Trp Gly  
   65                    70                    75                    80

Asn Trp Arg Trp Ser Glu Pro Phe Ser Val Asp His Ala Gly Thr Phe  
                   85                    90                    95

Ile Arg Thr Ile Gln Tyr Arg Gly Arg Thr Ala Ser Leu Ile Ile Lys  
                   100                    105                    110

Val Gln Gln Leu Asn Gly Val Gln Lys Gln Ile Ile Ile Cys Gly Arg  
                   115                    120                    125

Gln Ile Ile Cys Ser Tyr Leu Ser Gln Ser Ile Glu Leu Lys Val Val  
   130                    135                    140

Gln His Tyr Ile Gly Gln Asp Gly Gln Ala Val Val Arg Glu His Phe  
   145                    150                    155                    160

Asp Cys Leu Thr Ala Lys Gln Lys Leu Pro Ser Tyr Ile Leu Glu Asn

165										170					175				
Asn	Glu	Leu	Thr	Glu	Leu	Cys	Val	Lys	Ala	Lys	Gly	Asp	Glu	Asp	Trp				
			180						185					190					
Ser	Arg	Asp	Val	Cys	Leu	Glu	Ser	Lys	Ala	Pro	Glu	Tyr	Ser	Ile	Val				
		195					200					205							
Ile	Gln	Val	Pro	Ser	Ser	Asn	Ser	Ser	Ile	Ile	Tyr	Val	Trp	Cys	Thr				
	210					215					220								
Val	Leu	Thr	Leu	Glu	Pro	Asn	Ser	Gln	Val	Gln	Gln	Arg	Met	Ile	Val				
	225				230					235					240				
Phe	Ser	Pro	Leu	Phe	Ile	Met	Arg	Ser	His	Leu	Pro	Asp	Pro	Ile	Ile				
				245					250					255					
Ile	His	Leu	Glu	Lys	Arg	Ser	Leu	Gly	Leu	Ser	Glu	Thr	Gln	Ile	Ile				
		260						265					270						
Pro	Gly	Lys	Gly	Gln	Glu	Lys	Pro	Leu	Gln	Asn	Ile	Glu	Pro	Asp	Leu				
		275					280					285							
Val	His	His	Leu	Thr	Phe	Gln	Ala												
	290					295													

<210> 287  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 287  
 Asn Lys Cys Pro Glu Val Glu Glu Leu Val Phe Ser His Phe Val Ile  
 1 5 10 15  
 Cys Asn Asp Thr Gln Glu Thr Leu Arg Phe  
 20 25

<210> 288  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 288  
 His Ile Cys Ile Glu Gly Trp Gly Asn Trp Arg Trp Ser Glu Pro Phe  
 1 5 10 15  
 Ser Val Asp His Ala Gly Thr Phe Ile  
 20 25

<210> 289  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 289

Val Val Arg Glu His Phe Asp Cys Leu Thr Ala Lys Gln Lys Leu Pro  
 1 5 10 15

Ser Tyr Ile Leu Glu Asn Asn Glu Leu Thr Glu  
 20 25

<210> 290  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 290  
 Glu Asp Trp Ser Arg Asp Val Cys Leu Glu Ser Lys Ala Pro Glu Tyr  
 1 5 10 15

Ser Ile Val Ile Gln Val Pro Ser Ser Asn Ser  
 20 25

<210> 291  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 291  
 Ile Ile His Leu Glu Lys Arg Ser Leu Gly Leu Ser Glu Thr Gln Ile  
 1 5 10 15

Ile Pro Gly Lys Gly Gln Glu Lys Pro Leu Gln  
 20 25

<210> 292  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 292  
 Asn Ser Ala Arg Asp Ser Leu Asn Thr Ala Ile Gln Ala Trp Gln Gln  
 1 5 10 15

Asn Lys Cys Pro Glu Val Glu Glu Leu Val Phe  
 20 25

<210> 293  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 293  
 Gln Glu Thr Leu Arg Phe Gly Gln Val Asp Thr Asp Glu Asn Ile Leu  
 1 5 10 15

Leu Ala Ser Leu His Ser His Gln Tyr Ser Trp Arg Ser His Lys Ser  
 20 25 30

Pro Gln



<210> 294  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<400> 294  
 Gln Tyr Arg Gly Arg Thr Ala Ser Leu Ile Ile Lys Val Gln Gln Leu  
   1                  5                  10                  15  
 Asn Gly Val Gln Lys Gln Ile Ile Ile Cys Gly Arg Gln Ile Ile Cys  
                   20                  25                  30  
 Ser Tyr Leu Ser Gln Ser Ile Glu  
           35                  40

<210> 295  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 295  
 Asn Ser Ser Ile Ile Tyr Val Trp Cys Thr Val Leu Thr Leu Glu Pro  
   1                  5                  10                  15  
 Asn Ser Gln Val Gln Gln Arg Met Ile Val Phe Ser Pro Leu Phe Ile  
                   20                  25                  30  
 Met Arg Ser His Leu Pro Asp Pro Ile  
           35                  40

<210> 296  
 <211> 162  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 296

Leu Ile Ile Gln Asp Gln Thr Arg Arg Cys His Gly Leu Trp His Leu  
 1 5 10 15

Pro Ser Leu Leu Trp Pro Leu Leu Trp Ser Ser Gly Thr Gly Leu Cys  
 20 25 30

Arg Asn Val Cys Arg Leu His Gly Ile Tyr His Xaa Val Leu Xaa Arg  
 35 40 45

Val Gly His Ala Tyr Gln Thr Ser Phe Arg Gln Xaa Val Cys Xaa Xaa  
 50 55 60

Trp Ala Ala Asp Leu Cys Gly Arg His Glu Glu Gly Ile Ile Glu Asn  
 65 70 75 80

Thr Tyr Arg Leu Ser Cys Asn His Val Phe His Glu Phe Cys Ile Arg  
 85 90 95

Gly Trp Cys Ile Val Gly Lys Lys Gln Thr Cys Pro Tyr Cys Lys Glu  
 100 105 110

Lys Val Asp Leu Lys Arg Met Phe Ser Asn Pro Trp Glu Arg Pro His  
 115 120 125

Val Met Tyr Gly Gln Leu Leu Asp Trp Leu Arg Tyr Leu Val Ala Trp  
 130 135 140

Gln Pro Val Ile Ile Gly Val Val Gln Gly Ile Asn Tyr Ile Leu Gly  
 145 150 155 160

Leu Glu

&lt;210&gt; 297

&lt;211&gt; 164

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 297

Thr	Ala	Phe	Val	Thr	Phe	Arg	Ala	Thr	Arg	Lys	Pro	Leu	Val	Gln	Thr
1				5					10					15	

Thr	Pro	Arg	Leu	Val	Tyr	Lys	Trp	Phe	Leu	Leu	Ile	Tyr	Lys	Ile	Ser
			20					25					30		

Tyr	Ala	Thr	Gly	Ile	Val	Gly	Tyr	Met	Ala	Val	Met	Phe	Thr	Leu	Phe
	35						40					45			

Gly	Leu	Asn	Leu	Leu	Phe	Lys	Ile	Lys	Pro	Glu	Asp	Ala	Met	Asp	Phe
	50					55					60				

Gly	Ile	Ser	Leu	Leu	Phe	Tyr	Gly	Leu	Tyr	Tyr	Gly	Val	Leu	Glu	Arg
65					70				75						80

Asp	Phe	Ala	Glu	Met	Cys	Ala	Asp	Tyr	Met	Ala	Ser	Thr	Ile	Xaa	Phe
				85					90					95	

Xaa	Ser	Glu	Ser	Gly	Met	Pro	Thr	Lys	His	Leu	Ser	Asp	Ser	Xaa	Cys
			100					105					110		

Ala	Xaa	Cys	Gly	Gln	Gln	Ile	Phe	Val	Asp	Val	Met	Lys	Arg	Gly	Ser
		115					120					125			

Leu	Arg	Thr	Arg	Ile	Gly	Cys	Pro	Ala	Ile	Met	Ser	Ser	Thr	Ser	Ser
	130					135						140			

Ala	Ser	Val	Ala	Gly	Ala	Ser	Trp	Glu	Arg	Ser	Lys	Arg	Val	Pro	Thr
145					150					155					160

Ala Lys Arg Arg

<210> 298

<211> 25

<212> PRT

<213> Homo sapiens

<400> 298

Leu	Ile	Ile	Gln	Asp	Gln	Thr	Arg	Arg	Cys	His	Gly	Leu	Trp	His	Leu
1					5				10					15	

Pro	Ser	Leu	Leu	Trp	Pro	Leu	Leu	Trp
		20						25

<210> 299

<211> 26

<212> PRT

<213> Homo sapiens

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 299  
 Ser Ser Gly Thr Gly Leu Cys Arg Asn Val Cys Arg Leu His Gly Ile  
   1                  5                  10                  15  
 Tyr His Xaa Val Leu Xaa Arg Val Gly His  
                   20                  25

<210> 300  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 300  
 Ala Tyr Gln Thr Ser Phe Arg Gln Xaa Val Cys Xaa Xaa Trp Ala Ala  
   1                  5                  10                  15  
 Asp Leu Cys Gly Arg His Glu Glu  
                   20

<210> 301  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 301  
 Gly Ile Ile Glu Asn Thr Tyr Arg Leu Ser Cys Asn His Val Phe His  
   1                  5                  10                  15  
 Glu Phe Cys Ile Arg Gly Trp Cys Ile Val Gly Lys Lys Gln  
                   20                  25                  30

<210> 302  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 302  
 Thr Cys Pro Tyr Cys Lys Glu Lys Val Asp Leu Lys Arg Met Phe Ser  
           1                  5                  10                  15

Asn Pro Trp Glu Arg Pro His Val Met Tyr Gly Gln Leu Leu Asp  
                   20                  25                  30

<210> 303  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 303  
 Trp Leu Arg Tyr Leu Val Ala Trp Gln Pro Val Ile Ile Gly Val Val  
           1                  5                  10                  15

Gln Gly Ile Asn Tyr Ile Leu Gly Leu Glu  
                   20                  25

<210> 304  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 304  
 Thr Ala Phe Val Thr Phe Arg Ala Thr Arg Lys Pro Leu Val Gln Thr  
           1                  5                  10                  15

Thr Pro Arg Leu Val Tyr Lys Trp Phe Leu Leu Ile  
                   20                  25

<210> 305  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 305  
 Tyr Lys Ile Ser Tyr Ala Thr Gly Ile Val Gly Tyr Met Ala Val Met  
           1                  5                  10                  15

Phe Thr Leu Phe Gly Leu Asn Leu Leu Phe Lys Ile Lys  
                   20                  25

<210> 306  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 306

Pro Glu Asp Ala Met Asp Phe Gly Ile Ser Leu Leu Phe Tyr Gly Leu  
 1 5 10 15

Tyr Tyr Gly Val Leu Glu .  
 20

<210> 307

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 307

Arg Asp Phe Ala Glu Met Cys Ala Asp Tyr Met Ala Ser Thr Ile Xaa  
 1 5 10 15

Phe Xaa Ser Glu Ser Gly Met Pro Thr Lys His Leu  
 20 25

<210> 308

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 308

Ser Asp Ser Xaa Cys Ala Xaa Cys Gly Gln Gln Ile Phe Val Asp Val  
 1 5 10 15

Met Lys Arg Gly Ser Leu Arg Thr Arg Ile Gly Cys Pro Ala Ile Met  
 20 25 30

<210> 309

<211> 25

<212> PRT

<213> Homo sapiens

<400> 309

Ser Ser Thr Ser Ser Ala Ser Val Ala Gly Ala Ser Trp Glu Arg Ser  
1 5 10 15

Lys Arg Val Pro Thr Ala Lys Arg Arg  
20 25

<210> 310

<211> 20

<212> PRT

<213> Homo sapiens

<400> 310

His Glu Phe Cys Ile Arg Gly Trp Cys Ile Val Gly Lys Lys Gln Thr  
1 5 10 15

Cys Pro Tyr Cys  
20

<210> 311

<211> 28

<212> PRT

<213> Homo sapiens

<400> 311

Ala Thr Ser Met Lys Arg Leu Ser His Pro Ser Ile Cys Arg Thr Gly  
1 5 10 15

Leu Pro Leu Ser Gln Gln Lys Arg Ala Ser Leu Leu  
20 25

<210> 312

<211> 19

<212> PRT

<213> Homo sapiens

<400> 312

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Pro Gly Arg His Leu  
1 5 10 15

Gly Ser Ser

<210> 313

<211> 116

<212> PRT

<213> Homo sapiens

<400> 313

Met Ile Ile Leu Ser Cys Cys Ser Leu Trp Ile Tyr Asp Tyr Leu Ile  
1 5 10 15

His Pro Val Pro Ser Val Gly His Arg Val Cys Leu Cys Cys Leu Pro

				20				25				30			
Glu	Ser	Ala	Thr	Gly	Arg	Ile	Ser	Pro	Leu	Gly	Glu	Gly	Pro	Arg	Lys
35				40				45							
Trp	His	Gly	Leu	Arg	Arg	Ser	Pro	Glu	His	Ile	Ser	Leu	Gly	Gly	Leu
50				55				60							
Leu	Leu	Ser	Ser	Arg	Leu	Met	Ala	Phe	Cys	Asn	Leu	Ser	Arg	Ala	Val
65				70				75				80			
Leu	Pro	Gly	Asn	Arg	Thr	Met	Glu	Thr	Glu	Thr	Tyr	Gln	Leu	Trp	Ala
				85				90				95			
Ser	Gln	Tyr	Gln	Arg	Lys	Trp	Val	Ser	Arg	Ser	Leu	Ser	Gln	Val	Gln
100				105				110							
Cys	Leu	Arg	Leu												
115															

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<210> 314
<211> 21
<212> PRT
<213> Homo sapiens
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```
<400> 314
Cys Cys Ser Leu Trp Ile Tyr Asp Tyr Leu Ile His Pro Val Pro Ser
  1                               5          10          15
Val Gly His Arg Val
                20
```

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<210> 315
<211> 26
<212> PRT
<213> Homo sapiens
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```
<400> 315
Ile Ser Pro Leu Gly Glu Gly Pro Arg Lys Trp His Gly Leu Arg Arg
  1                               10                      15
Ser Pro Glu His Ile Ser Leu Gly Gly Leu
      20                      25
```

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<210> 316
<211> 29
<212> PRT
<213> Homo sapiens
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```

<400> 316
Arg Ala Val Leu Pro Gly Asn Arg Thr Met Glu Thr Glu Thr Tyr Gln
  1             5             10             15
Leu Trp Ala Ser Gln Tyr Gln Arg Lys Trp Val Ser Arg
          20          25

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<210> 317  
 <211> 149  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (128)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (133)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (136)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (140)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (143)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 317  
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu His Leu Ser Thr Leu  
   1                  5                  10                  15  
 Asp Arg Ser Val Ile Trp Ser Lys Ser Ile Leu Asn Ala Arg Cys Lys  
                   20                  25                  30  
 Ile Cys Arg Lys Lys Gly Asp Ala Glu Asn Met Val Leu Cys Asp Gly  
                   35                  40                  45  
 Cys Asp Arg Gly His His Thr Tyr Cys Val Arg Pro Lys Leu Lys Thr  
                   50                  55                  60  
 Val Pro Glu Gly Asp Trp Phe Cys Pro Glu Cys Arg Pro Lys Gln Arg  
   65                  70                  75                  80  
 Ser Arg Arg Leu Ser Ser Arg Gln Arg Pro Ser Leu Glu Ser Asp Glu  
                   85                  90                  95  
 Asp Val Glu Asp Ser Met Gly Gly Glu Asp Asp Glu Val Asp Gly Asp  
                   100                  105                  110  
 Glu Glu Glu Gly Gln Ser Glu Glu Glu Glu Tyr Glu Val Glu Gln Xaa  
   115                  120                  125  
 Glu Asp Asp Ser Xaa Glu Glu Xaa Glu Val Arg Xaa Val Leu Xaa Cys  
   130                  135                  140

Asn Lys Met Ser Gln  
145

<210> 318  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 318  
Met Arg Val Ala Arg Tyr Val Glu Arg Lys Ala  
1 5 10

<210> 319  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 319  
Glu His Leu Ser Thr Leu Asp Arg Ser Val Ile Trp Ser Lys Ser Ile  
1 5 10 15

Leu Asn Ala Arg Cys Lys  
20

<210> 320  
<211> 32  
<212> PRT  
<213> Homo sapiens

<400> 320  
Thr Val Pro Glu Gly Asp Trp Phe Cys Pro Glu Cys Arg Pro Lys Gln  
1 5 10 15

Arg Ser Arg Arg Leu Ser Ser Arg Gln Arg Pro Ser Leu Glu Ser Asp  
20 25 30

<210> 321  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 321  
Ile Arg His Glu Asp Asp  
1 5

<210> 322  
<211> 183  
<212> PRT  
<213> Homo sapiens

<220>

<221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (87)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (89)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (159)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 322  
 Gln Arg Trp Leu Lys His Gly Ala Asn Gln Cys Lys Phe Glu His Asn  
 1 5 10 15  
 Asp Cys Leu Asp Lys Ser Tyr Lys Cys Tyr Ala Ala Xaa Glu Xaa Val  
 20 25 30  
 Gly Glu Asn Ile Trp Leu Gly Gly Ile Lys Ser Phe Thr Pro Arg His  
 35 40 45  
 Ala Ile Thr Ala Trp Tyr Asn Glu Thr Gln Phe Tyr Asp Phe Asp Ser  
 50 55 60  
 Leu Ser Cys Ser Arg Val Cys Gly His Tyr Thr Gln Leu Val Trp Ala  
 65 70 75 80  
 Asn Ser Phe Tyr Val Gly Xaa Ala Xaa Ala Met Cys Pro Asn Leu Gly  
 85 90 95  
 Gly Ala Ser Thr Ala Ile Phe Val Cys Asn Tyr Gly Pro Ala Gly Asn  
 100 105 110  
 Phe Ala Asn Met Pro Pro Tyr Val Arg Gly Glu Ser Cys Ser Leu Cys  
 115 120 125  
 Ser Lys Glu Glu Lys Cys Val Lys Asn Leu Cys Lys Asn Pro Phe Leu  
 130 135 140  
 Lys Pro Thr Gly Arg Ala Pro Gln Gln Thr Ala Phe Asn Pro Xaa Gln  
 145 150 155 160  
 Leu Arg Phe Ser Ser Ser Glu Asn Leu Leu Met Ser Phe Ile Tyr Lys  
 165 170 175

Arg Asn Ser Gln Met Leu Lys

180

<210> 323  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 323  
 Asp Pro Pro His Pro Ser  
           1                  5

<210> 324  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 324  
 Cys Leu Asp Lys Ser Tyr Lys Cys Tyr Ala Ala Xaa Glu Xaa Val Gly  
           1                  5                  10                  15

Glu Asn Ile Trp Leu Gly Gly Ile Lys Ser Phe Thr Pro  
                   20                  25

<210> 325  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 325  
 Glu Thr Gln Phe Tyr Asp Phe Asp Ser Leu Ser Cys Ser Arg Val Cys  
           1                  5                  10                  15

Gly His Tyr Thr Gln Leu Val Trp Ala Asn Ser Phe Tyr Val Gly Xaa  
                   20                  25                  30

Ala Xaa Ala Met Cys Pro Asn Leu

35

40

<210> 326  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 326  
 Ser Thr Ala Ile Phe Val Cys Asn Tyr Gly Pro Ala Gly Asn Phe Ala  
   1                  5                  10                  15  
 Asn Met Pro Pro Tyr Val Arg Gly Glu Ser Cys Ser  
                   20                  25

<210> 327  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 327  
 Pro Gln Gln Thr Ala Phe Asn Pro Xaa Gln Leu Arg Phe Ser Ser Ser  
   1                  5                  10                  15  
 Glu Asn Leu Leu Met Ser Phe Ile Tyr Lys  
                   20                  25

<210> 328  
 <211> 164  
 <212> PRT  
 <213> Homo sapiens

<400> 328  
 Thr Glu Gly Gly Cys Ala Leu Val Pro Asn Asp Met Glu Ser Leu Lys  
   1                  5                  10                  15  
 Gln Lys Leu Val Arg Val Leu Glu Glu Asn Leu Ile Leu Ser Glu Lys  
                   20                  25                  30  
 Ile Gln Gln Leu Glu Glu Gly Ala Ala Ile Ser Ile Val Ser Gly Gln  
                   35                  40                  45  
 Gln Ser His Thr Tyr Asp Asp Leu Leu His Lys Asn Gln Gln Leu Thr  
                   50                  55                  60  
 Met Gln Val Ala Cys Leu Asn Gln Glu Leu Ala Gln Leu Lys Lys Leu  
   65                  70                  75                  80  
 Glu Lys Thr Val Ala Ile Leu His Glu Ser Gln Arg Ser Leu Val Val  
                   85                  90                  95  
 Thr Asn Glu Tyr Leu Leu Gln Gln Leu Asn Lys Glu Pro Lys Gly Tyr

100	105	110
Ser Gly Lys Ala Leu Leu Pro Pro Glu Lys Gly His His Leu Gly Arg		
115	120	125
Ser Ser Pro Phe Gly Lys Ser Thr Leu Ser Ser Ser Ser Pro Val Ala		
130	135	140
His Glu Thr Gly Gln Tyr Leu Ile Gln Ser Val Leu Asp Ala Ala Pro		
145	150	155
		160
Glu Pro Gly Leu		

<210> 329  
 <211> 5  
 <212> PRT  
 <213> Homo sapiens

<400> 329  
 Ser Met Val Ser Lys  
 1 5

<210> 330  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 330  
 Met Glu Ser Leu Lys Gln Lys Leu Val Arg Val Leu Glu Glu Asn Leu  
 1 5 10 15  
 Ile Leu Ser Glu Lys Ile Gln Gln Leu Glu Glu Gly Ala Ala Ile Ser  
 20 25 30  
 Ile Val Ser Gly Gln Gln  
 35

<210> 331  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 331  
 Asp Leu Leu His Lys Asn Gln Gln Leu Thr Met Gln Val Ala Cys Leu  
 1 5 10 15  
 Asn Gln Glu Leu Ala Gln Leu Lys Lys Leu Glu Lys Thr Val Ala  
 20 25 30

<210> 332  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 332

Ser Ser Pro Phe Gly Lys Ser Thr Leu Ser Ser Ser Ser Pro Val Ala  
 1 5 10 15

His Glu Thr Gly Gln Tyr Leu Ile Gln Ser Val  
 20 25

&lt;210&gt; 333

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 333

Asn Thr Asp Trp Asp Gln Thr Val Leu Ile Val Leu Arg Ile Ser Ser  
 1 5 10 15

Thr Leu Pro Val Ala Leu Leu Arg Asp Glu Val Pro Gly Trp Phe Leu  
 20 25 30

Lys Xaa Pro Glu Pro Gln Leu Ile Ser Lys Glu Leu Ile Met Leu Thr  
 35 40 45

Glu Val  
 50

&lt;210&gt; 334

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 334

Val Leu Ile Val Leu Arg Ile Ser Ser Thr Leu Pro Val Ala Leu Leu  
 1 5 10 15

Arg Asp Glu Val Pro Gly Trp Phe Leu Lys Xaa Pro Glu Pro Gln  
 20 25 30

&lt;210&gt; 335

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 335

Gly Xaa Ser Ser Ile Ser Ala Val Val Pro Ala Ala Ser Leu Trp Val  
 1 5 10 15

Trp Pro Gly Leu Arg Val Phe Arg  
 20

&lt;210&gt; 336

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 336

Val Cys Gln Tyr Cys Thr Ala Xaa Met Ala Asp Phe Gly Ile Ser Ala  
 1 5 10 15

Gly Gln Phe Val Ala Val Val Trp Asp Lys Ser Ser Pro Val Glu Ala  
 20 25 30

Leu Lys Gly Leu Val Asp Lys Leu Gln Ala Leu Thr Gly Asn Glu Gly  
 35 40 45

Arg Val Ser Val Glu Asn Ile  
 50 55

&lt;210&gt; 337

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 337

Met Ala Asp Phe Gly Ile Ser Ala Gly Gln Phe Val Ala Val Val Trp  
 1 5 10 15

Asp Lys Ser Ser Pro Val Glu Ala Leu Lys Gly Leu Val Asp Lys Leu  
 20 25 30

Gln Ala Leu  
 35

&lt;210&gt; 338

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 338

Ser Lys Cys Cys Ile Thr Thr Thr Trp Lys Pro Leu  
 1 5 10



<210> 339  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<400> 339  
 Met Ser Ser Pro Leu Leu Thr Ala Ser Ser Leu Gly Gln Ala Gly Thr  
           1                  5                  10                  15  
 Leu Arg Lys Ile Lys Pro Ser Leu Thr Thr His His Ile Gln Cys Pro  
                   20                  25                  30  
 Cys Ser Ser Leu Arg Glu Glu Gly Arg Thr Ser Gln  
                   35                  40

<210> 340  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 340  
 Gly Leu Trp Thr Gly Ile Asn His Arg Asn Met Ile  
           1                  5                  10

<210> 341  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 341  
 Phe Gln Arg Glu Val Phe Ala Pro Pro Ser  
           1                  5                  10

<210> 342  
 <211> 88  
 <212> PRT  
 <213> Homo sapiens

<400> 342  
 Ile Gly Gln Gly Arg His Ser Asp Ser Arg Glu Lys Ser Leu Leu Leu  
           1                  5                  10                  15  
 His Leu Trp Lys Asn Phe Ser His Cys Ile Tyr Tyr Tyr Met Phe Leu  
                   20                  25                  30  
 Thr Gly Val Ser Leu Leu Leu Asp Arg Glu Gln Val Tyr Leu Leu Leu  
                   35                  40                  45  
 Ser Pro Gln Pro Leu Asp Leu Gly Arg Leu Ile Val Asp Ile Trp Glu  
           50                  55                  60  
 Met Leu Gly Lys Glu Arg Arg Gly Gly Glu Arg Lys Asp Ser Met Ala  
           65                  70                  75                  80  
 Met Ser Lys Cys Pro Ala Met Ser  
                   85

<210> 343  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 343  
 Lys Asn Phe Ser His Cys Ile Tyr Tyr Tyr Met Phe Leu Thr Gly Val  
   1                  5                  10                  15  
 Ser Leu Leu Leu Asp Arg Glu Gln Val Tyr Leu Leu  
                   20                  25

<210> 344  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 344  
 Val Asp Ile Trp Glu Met Leu Gly Lys Glu Arg Arg Gly Gly Glu Arg  
   1                  5                  10                  15  
 Lys Asp Ser Met Ala Met Ser Lys Cys  
                   20                  25

<210> 345  
 <211> 110  
 <212> PRT  
 <213> Homo sapiens

<400> 345  
 Lys Glu Ile Pro Thr Val Trp His Gln Asp Leu Cys Asp Leu Gln Gly  
   1                  5                  10                  15  
 Ala Cys Phe Pro Gln Gln Ser Leu Phe Tyr Thr Thr Cys Ser Pro His  
                   20                  25                  30  
 His Pro Gly Pro Phe His Leu Leu Lys Asn Thr Glu Leu Leu Phe Thr  
           35                  40                  45  
 Val Gly Pro Leu Asn Ala Tyr Phe Ser Lys Phe His Ser Ser Thr Arg  
   50                  55                  60  
 Leu Gln Glu Phe Ser Leu Arg Glu Glu Ser Lys Gln Val Trp Pro Gln  
   65                  70                  75                  80  
 Leu Leu Glu Met Ala Glu Glu Arg Val Phe Ser Leu Asn Gly Gly Gly  
           85                  90                  95  
 Gly Ser Cys Val Leu Gly Asn Pro Ile Ser Pro Phe Ile Ser  
   100                  105                  110

<210> 346  
 <211> 32  
 <212> PRT

<213> Homo sapiens

<400> 346

Cys Asp Leu Gln Gly Ala Cys Phe Pro Gln Gln Ser Leu Phe Tyr Thr  
1 5 10 15

Thr Cys Ser Pro His His Pro Gly Pro Phe His Leu Leu Lys Asn Thr  
20 25 30

<210> 347

<211> 26

<212> PRT

<213> Homo sapiens

<400> 347

Phe Thr Val Gly Pro Leu Asn Ala Tyr Phe Ser Lys Phe His Ser Ser  
1 5 10 15

Thr Arg Leu Gln Glu Phe Ser Leu Arg Glu  
20 25

<210> 348

<211> 27

<212> PRT

<213> Homo sapiens

<400> 348

Val Trp Pro Gln Leu Leu Glu Met Ala Glu Glu Arg Val Phe Ser Leu  
1 5 10 15

Asn Gly Gly Gly Gly Ser Cys Val Leu Gly Asn  
20 25

<210> 349

<211> 10

<212> PRT

<213> Homo sapiens

<400> 349

Ser Thr His Ala Ser Ala Leu His Gly Glu  
1 5 10

<210> 350

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 350

Met Gly Ile Ser Ala Cys Xaa Leu Pro Pro Ala Ser Leu Pro Phe Pro  
 1 5 10 15

Ala Glu Ala Ala Pro Glu Pro Leu Pro Ser Arg  
 20 25

&lt;210&gt; 351

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 351

Gly Leu Leu His Ser Ser Gly Cys Lys Ile Tyr Ile Leu Leu Pro Glu  
 1 5 10 15

Val Asp Thr Phe Ala Trp Val Leu Phe Lys Glu  
 20 25

&lt;210&gt; 352

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 352

Asp Tyr Ser Ile Pro Leu Asp Val Lys Ser Thr Phe Ser Cys Leu Arg  
 1 5 10 15

Trp Ile Arg Leu Leu Gly Phe Cys Leu Arg Arg Trp Gly Gln Gln Cys  
 20 25 30

Val Ser Gly Pro Val Lys Cys Val Leu Tyr Pro Gly Phe Cys Leu Ile  
 35 40 45

Ser Val Phe Ser Leu Ala Tyr Gln Ser His Cys Arg Gly Tyr Leu Val  
 50 55 60

Ser Glu Ser Arg Thr Phe Pro Gly Cys Cys Gly Thr Asp  
 65 70 75

&lt;210&gt; 353

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 353

Lys Ser Thr Phe Ser Cys Leu Arg Trp Ile Arg Leu Leu Gly Phe Cys  
 1 5 10 15

Leu Arg Arg Trp Gly Gln Gln Cys Val Ser  
 20 25

&lt;210&gt; 354

&lt;211&gt; 28

&lt;212&gt; PRT

<213> Homo sapiens

<400> 354

Leu Tyr Pro Gly Phe Cys Leu Ile Ser Val Phe Ser Leu Ala Tyr Gln  
1 5 10 15

Ser His Cys Arg Gly Tyr Leu Val Ser Glu Ser Arg  
20 25

<210> 355

<211> 8

<212> PRT

<213> Homo sapiens

<400> 355

Gly Thr Arg Thr Ala Val Gln Ser  
1 5

<210> 356

<211> 11

<212> PRT

<213> Homo sapiens

<400> 356

Leu Thr Gln Glu Pro Cys Pro Ile Ser Val Ser  
1 5 10

<210> 357

<211> 16

<212> PRT

<213> Homo sapiens

<400> 357

Leu Cys Ile Trp Thr Arg Phe Ile Phe Leu Phe Lys Val Ala Ile His  
1 5 10 15

<210> 358

<211> 65

<212> PRT

<213> Homo sapiens

<400> 358

Ile Phe Pro Lys Pro His Met Thr Pro Val Cys Phe Arg Leu Leu Glu  
1 5 10 15

Ala Leu Glu Glu Ser Ile Gly Val Asp Glu Met Glu Ser Phe Lys Ser  
20 25 30

Cys Phe Gly Phe Cys Phe Cys Val Trp Val Phe Lys Glu Ser Ile Ser  
35 40 45

Cys His Val Glu Glu Asn Pro Gly Gly Gly Cys Pro Pro Thr Gly Arg

50

55

60

Arg  
65

<210> 359  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 359  
Glu Ser Ile Gly Val Asp Glu Met Glu Ser Phe Lys Ser Cys Phe Gly  
1 5 10 15

Phe Cys Phe Cys Val Trp Val Phe Lys Glu Ser Ile  
20 25

<210> 360  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 360  
Asp Phe Leu Leu Phe Pro His Ala Gly Pro Asn Ser Lys Phe Pro Arg  
1 5 10 15

Ala Asp

<210> 361  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 361  
Leu His Arg Glu Leu Pro Leu Leu Trp Ala Lys Asp Lys Lys Glu Cys  
1 5 10 15

Arg Leu Val Ser Arg Met Ile Lys Leu His Ser Ala Tyr Ser Ser Arg  
20 25 30

Val Arg Pro Val Leu Val Gly Phe Arg Ala Ala Phe Arg Pro Ala Gly  
35 40 45

Leu Arg Leu Pro Leu Met Arg Met  
50 55

<210> 362  
<211> 55  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 362

Ala Phe Ala Lys Ser Tyr Leu Gly Asp Thr Ile Glu Gly Thr Xaa Ala  
1 5 10 15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Ala Trp  
20 25 30

Arg Pro Arg Arg Gly Ala Ala Thr Arg Arg Phe Ala Ser Ser Leu Arg  
35 40 45

Ile Ile Cys Gly Arg Val Pro  
50 55

<210> 363

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 363

Arg Arg Xaa Lys Ala Phe Val Thr Gln Asp Ile Pro Phe Tyr His Xaa  
1 5 10 15

Leu Val Met Lys His Leu Pro Gly Ala Asp Pro Glu Leu Val Leu Leu  
20 25 30

Gly Arg Arg Tyr Glu Glu Leu Glu Arg Ile Pro Leu Ser Glu Met Thr  
35 40 45

Arg Glu Glu Ile Asn Ala Leu Val Gln Glu Leu Gly Phe Tyr Arg Lys  
50 55 60

Ala Ala Pro Asp Ala Gln Val Pro Pro Glu Tyr Val Trp Ala Pro Ala  
65 70 75 80

Lys Pro Pro Glu Glu Thr Ser Asp His Ala Asp Leu  
85 90

<210> 364

<211> 44

<212> PRT

<213> Homo sapiens

<400> 364

Val Ala Glu Ser Thr Glu Glu Pro Ala Gly Ser Asn Arg Gly Gln Tyr  
1 5 10 15

Pro Glu Asp Ser Ser Ser Asp Gly Leu Arg Gln Arg Glu Val Leu Arg  
                   20                  25                  30

Asn Leu Ser Ser Pro Gly Trp Glu Asn Ile Ser Arg  
           35                  40

<210> 365  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 365  
 Ala Arg Glu Pro Leu Gly Leu Thr Gln Asp Pro Leu Val Phe Gly Met  
   1                  5                  10                  15

Thr Ser Phe Leu Gln Thr Ser Ser Pro Ile Pro Asn Ser Cys  
           20                  25                  30

<210> 366  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 366  
 Phe Gln Ala Pro Ala Ser Ala Arg Thr Ala Cys Ser Thr Leu Leu  
   1                  5                  10                  15

<210> 367  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 367  
 Val Leu Leu Cys His Gln Ala Gly Val Gln Trp His Ala Arg Leu Thr  
   1                  5                  10                  15

Ala Thr Ser Thr Ser Arg Val Ala Ala Ile Leu Leu Pro Gln Pro Pro  
           20                  25                  30

Glu

<210> 368  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 368  
 Ala Gln Pro Ser Pro Cys Pro Ser Cys Leu Ala His Ser Trp Pro Pro  
   1                  5                  10                  15

Phe Arg Leu Leu Ser Leu Pro Pro Pro Ala Gly Ala Ser Leu Gly Asp  
           20                  25                  30



Gly Arg Val Cys Ser  
35

<210> 369  
<211> 121  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (104)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (115)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369  
His Ser Leu Pro Pro Ala Leu Pro Ala Trp Leu Thr Pro Gly His Pro  
1 5 10 15  
Ser Asp Ser Ser Leu Cys Leu Leu Gln Leu Ala Pro His Leu Val Met  
20 25 30  
Ala Val Ser Val Pro Trp Pro Leu Pro Glu Xaa Leu Gly Phe Ser Cys  
35 40 45  
Cys His Cys Val Ser Leu Thr Gly Pro His Ala Gly Phe Ser Tyr His  
50 55 60  
Phe Leu His Pro Ala Glu Pro Arg Ala Trp Gln His Gln Ser Ser Val  
65 70 75 80  
Val Gly Met Ser Arg Lys Gln Ala Ser Phe Ser Met Ala Gln Lys Gly  
85 90 95  
Val Cys His Leu Gly Lys Ser Xaa Lys Arg Gly Ser Lys Lys Ala Ser  
100 105 110  
Cys Pro Xaa Tyr Pro Ser Phe Ser Lys  
115 120

<210> 370  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 370  
Asp Ala Asn Pro Gly Ser Arg Val Pro Glu Gln Cys Ser Asn Tyr Tyr  
1 5 10 15

Pro Leu Leu Pro Leu Ile His Pro Met Thr Phe Phe Cys Leu Thr Tyr  
                   20                  25                  30

Thr Gly

<210> 371  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<400> 371  
 Pro Ser Phe Val Leu Pro Thr Leu Gly Cys Val Trp Asp Met His Phe  
   1                  5                  10                  15

Ala Cys Cys Tyr Leu Ile Leu Ala Glu Cys Ile Val Leu Ala Ile Cys  
                   20                  25                  30

Val Tyr Ser Gln Phe Arg Phe Cys Gln Ala Ser Thr Met Lys Glu Glu  
                   35                  40                  45

Arg Gly Lys Gly Ile Glu Gly Ala Tyr Lys Gly Val Val Arg Glu Met  
                   50                  55                  60

Asp Val Lys Ser Lys Leu Gly Lys Leu Arg Ser Lys Asp Met Ile  
   65                  70                  75

<210> 372  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 372  
 Ile Gly Ile Arg Val Trp Tyr Tyr Arg Asn Gln Lys Asn Ser Lys Gln  
   1                  5                  10                  15

Met Trp Ile Lys Cys Leu Gly Ser  
                   20

<210> 373  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 373  
 Gln Cys Ser Gly Ile Ser Gly Ser Ser Leu Ile Cys Lys Met Arg Gly  
   1                  5                  10                  15

Ser Glu Gln Val Ile Ser Met Phe Leu Pro Phe Leu Ile Leu Leu Ser  
                   20                  25                  30

Val Ala Tyr Ser Leu Tyr Gly Glu Phe Asn Lys Leu Tyr  
                   35                  40                  45

<210> 374

<211> 67  
 <212> PRT  
 <213> Homo sapiens

<400> 374  
 Tyr Phe Met Met Ile Lys Pro Gln Phe Ile Tyr Ser Pro Val Asp Arg  
   1                  5                  10                  15  
 Gln Leu Gly Cys Phe Gln Phe Phe Ala Val Thr Asn Thr Pro Val Met  
                   20                  25                  30  
 Gly Ile Ile Leu Ser Pro Phe Tyr Ile Asp Thr Lys Val Ser Leu Arg  
           35                  40                  45  
 Tyr Ile Pro Arg Asn Gly Ile Ser Glu Phe Leu Gly Tyr Gly His Ser  
       50                  55                  60  
 Gln Leu Tyr  
   65

<210> 375  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 375  
 Lys Gly Cys Leu Thr Gln Leu Leu Arg Glu Pro Val Pro Gln Ile Gln  
   1                  5                  10                  15  
 Cys

<210> 376  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<400> 376  
 Phe Cys Asn Leu Cys Phe Thr Ile Ile Arg Glu Gly Gly Arg Arg Ala  
   1                  5                  10                  15  
 Gly Gly Glu Thr Ile Tyr Tyr Phe Ser Gly Ile Leu Thr Ala Trp Lys  
           20                  25                  30  
 Lys Arg Glu Thr Glu Lys Gln Ser Arg Glu Gly Ala Ser His Ser Glu  
       35                  40                  45  
 Phe Asn Leu Ser Val Lys  
       50

<210> 377  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 377

Ala Arg Ala Arg Ala Val Gly Phe Pro Ser Val Cys Ser Val Gly Ser  
 1 5 10 15

Glu His Ser Leu  
 20

<210> 378  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 378  
 Lys Thr Lys Ser Pro Tyr Pro Leu His Pro Cys Phe Trp Leu Met Tyr  
 1 5 10 15

Gly

<210> 379  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 379  
 Pro Thr Val Tyr Gln Ala Leu Gly Lys Gly His Ser Val Arg Glu Gly  
 1 5 10 15

Met Val Pro Ala Gly Leu Ser Ser Pro Trp Ala Cys Glu Glu Asn Ala  
 20 25 30

Arg Leu Asp Leu Asp Tyr Cys Lys Cys Gln Xaa Trp Pro Ser Val Gly  
 35 40 45

Phe Arg Gly Arg Ser Glu Leu Ser Trp Asn Leu Ser Phe Leu Pro Gln  
 50 55 60

Phe Ala  
 65

<210> 380  
 <211> 102  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 380

Leu	Met	Pro	Cys	Leu	Gly	Ser	Ala	Pro	Ala	Arg	Asn	Glu	Gly	Tyr	Arg
1				5				10						15	

Leu	Trp	Pro	Ile	Thr	Glu	Gln	Ile	Leu	Asn	Lys	His	Pro	Leu	Gly	Val
			20					25					30		

Thr	Leu	Asn	Gly	Ala	Cys	Phe	Ser	Lys	Leu	Leu	Pro	Phe	Leu	Gly	Ser
		35					40					45			

Glu	Gln	Leu	Ser	Arg	Glu	Leu	Val	Ser	Ser	Ala	Ala	Pro	Glu	His	Cys
	50					55					60				

Ala	Phe	Xaa	Asp	Phe	Glu	Lys	Ser	Phe	Leu	Lys	Xaa	Pro	Leu	Gly	Ser
65					70					75					80

Leu	Asp	Gln	Pro	Lys	Ser	Lys	Gly	Phe	Lys	Arg	Ala	Asn	Leu	Ile	Gly
				85					90					95	

Thr	Ala	His	Ser	Pro	Val
				100	

&lt;210&gt; 381

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 381

Leu	Met	Pro	Cys	Leu	Gly	Ser	Ala	Pro	Ala	Arg	Asn	Glu	Gly	Tyr	Arg
1				5				10						15	

Leu	Trp	Pro	Ile	Thr	Glu	Gln	Ile	Leu	Asn	Lys	His	Pro	Leu	Gly	Val
			20					25					30		

Thr	Leu	Asn	Gly	Ala	Cys	Phe	Ser	Lys	Leu	Leu	Pro	Phe	Leu	Gly	Ser
		35					40					45			

Glu	Gln	Leu	Ser	Arg	Glu	Leu	Val	Ser	Ser	Ala	Ala	Pro	Glu	His	Cys
	50					55					60				

Ala	Phe	Xaa
65		

&lt;210&gt; 382

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Asp Phe Glu Lys Ser Phe Leu Lys Xaa Pro Leu Gly Ser Leu Asp Gln  
1 5 10 15

Pro Lys Ser Lys Gly Phe Lys Arg Ala Asn Leu Ile Gly Thr Ala His  
20 25 30

Ser Pro Val  
35

<210> 383

<211> 44

<212> PRT

<213> Homo sapiens

<400> 383

His Glu Val Ser Cys Pro Pro Gln Cys Gly Ser Val Glu Gly Gln Lys  
1 5 10 15

Gln Gly Met Gly Glu Gly Arg Trp Glu Gly Val Thr Ala Ala Arg Met  
20 25 30

Arg Lys Ala Ala Arg Pro Ala Gly Ser Pro Glu Ser  
35 40

<210> 384

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 384

Val Thr Gly Ser Arg Val Leu Pro Asn Pro Pro Gln Lys Ser Val Val  
1 5 10 15

Lys Gly Pro Gly His Trp Gly Val Glu Ser Ala Arg Pro Asp Leu Leu  
20 25 30

Gly Val Val Ser Val Gly Ala Ile Tyr Pro Val Leu Xaa Thr Thr Pro  
35 40 45

Gly Gln Leu Arg Phe Val Glu Arg Pro Ser His Leu Leu Pro Ala Leu  
50 55 60

Xaa Pro His Arg Ser Leu Val Gly Arg Glu Asn  
 65 70 75

<210> 385  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens

<400> 385  
 His Glu Leu Arg Leu Arg Pro Glu Arg Lys Ala Trp Gly Pro Pro Asp  
 1 5 10 15  
 Ser Gly Pro Pro Gly Pro Pro Gln Val Phe Gly Gln Arg Cys Pro Ala  
 20 25 30  
 His Gly Ser Trp Gly Ser Asn Gly Cys Gly Phe Phe Leu Ser Val Ala  
 35 40 45  
 Trp Thr Cys His Trp Pro Arg Leu Tyr Phe Leu Ile Cys Asp Ser Gly  
 50 55 60  
 Asp His Ser Ser Gln Phe Thr Val Phe Gly Arg Gly Asp  
 65 70 75

<210> 386  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 386  
 Lys Pro Leu Phe Leu His Ser Pro Gln Ile Ser Phe Phe Ser Tyr Asn  
 1 5 10 15  
 Leu Val Ser Leu Met Cys Ser Thr Glu Val Leu Phe Phe Cys Asn Asn  
 20 25 30

Lys

<210> 387  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 387  
 Lys Pro Leu Phe Leu His Ser Pro Gln Ile Ser Phe Phe Ser Tyr Asn  
 1 5 10 15  
 Leu Val Ser Leu Met Cys Ser Thr Glu Val Leu Phe Phe Cys Asn Asn  
 20 25 30

Lys

<210> 388

<211> 50  
 <212> PRT  
 <213> Homo sapiens

<400> 388

Leu His Phe Ser His Thr Phe Leu Ser Thr Lys Asn His Glu Ser Leu  
 1 5 10 15

Asn Tyr Ser Ser Ser His Arg Ile Glu Ser Lys Tyr Gln Arg Ser His  
 20 25 30

Pro Phe Lys Thr Gln Phe Phe His Cys Ser Ile Arg Tyr Val Leu Tyr  
 35 40 45

Val Arg  
 50

<210> 389  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 389

Glu Arg Ile Leu Cys Arg Lys Ser Lys Phe Phe Trp Thr Leu Pro Ala  
 1 5 10 15

Tyr

<210> 390  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<400> 390

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 35 40 45

Gln Leu Thr Ala  
 50